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**Model
MAGAZIN**
INTERNATIONAL

**ISSUE
324**

October 2022

£5.25

PREVIEW

A NEW COMET IN 1:35!

Tamiya's latest WW2 British tank, previewed

TIGERFIBEL!

Tamiya's terrific
Tiger I in 1:48



**AMS COMES
TO MIG**

'Advanced Modeller's Syndrome' is encountered
when building Tamiya's classic 1:48 MiG-15

INSIDE

**Italeri 1:12 Lancia Delta Integrale, Jaws 2 diorama,
plus new kits, books and modelling accessories...**

**DOOLITTLE
MEDIA**



Tyrrell P34

SIX WHEELER

1/12 Big Scale Racing Car Series

Tyrrell P34 Six Wheeler

(w/Photo-Etched Parts)

(Item 12036)

1/12



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1/20

1/20 Grand Prix Collection Tyrrell P34 Six Wheeler 1976 Japan GP

(Item 20058) (w/Photo-Etched Parts)

Legendary Six-wheeled Car

Announced in September 1975, the Tyrrell P34 caused a sensation with its distinctive six-wheeled design. It made its debut at the Spanish GP in 1976, and took second and third places at the Monaco GP. At the Swedish GP, J. Sheckter and Depailler got a one-two finish, and at the final race – Japanese GP – of the season, Depailler finished second, amply proving its competitiveness. The P34 is the only Formula One car to have featured four small-diameter wheels at the front, in an effort to reduce air resistance and improve handling and braking performance. Do not miss this chance to explore the depths of this legendary car!

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3-7 Ondaawara, Suruga-Ku, Shizuoka, Japan 422-8610.
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1/12 Scale Innovative Ideas in Impressive Size

The 1/12 scale kit features great size and a detailed parts breakdown which makes you feel like you are assembling the actual car. The model has realistic renderings of details such as engine with ignition cables and fuel pipes, cooling systems, suspension, and cockpit interior.



Length: 336mm,
width: 168mm.

1/12
SCALE

- ① Features aluminum air funnels on the DFV engine.
- ② Steering wheel moves the front wheels via a realistic rack and pinion system, and suspension employs coil springs.
- ③ Photo-etched parts give a realistic finish.

1/20 Scale Impressive Japanese GP model

The kit depicting the Japanese GP model in 1976 includes Cartograf decals to depict drivers' names in Hiragana at the left side of cowling. Photo-etched parts give realism.



Length: 201mm,
width: 100mm.

1/20
SCALE

- ① The seatbelt is realistically depicted by seatbelt stickers and photo-etched buckle parts.
- ② Photo-etched parts realistically depict distinctive triangular air funnel covers.
- ③ Large end plates, inside reinforcing parts, and complex rear wing stay rendered by photo-etched parts.

★Images show assembled and painted kit. ★Product may vary from images shown.

TAMIYA, INC. 3-7 ONDAWARA, SURUGA-KU, SHIZUOKA 422-8610 JAPAN

Both kits include
hi-quality Cartograf decals.



Check Tamiya's homepage for the latest releases! www.tamiya.com



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COVER STORY

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Tamiya's 1:48 MiG-15 is hit by Advanced Modeller's Syndrome!



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Model MAGAZINE INTERNATIONAL

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IN BRIEF...

TAMIYA

- 1:10 RC Chassis Kit TB Evo.8
- 1:10 RC Egress Black Edition

hobbyco.net



AFV CLUB

- 1:48 U-20 IR Sensor version
- 1:48 YAR Air Force F-5E Peace Bell Program
- 1:35 Aluminium PGK Series 155mm artillery shells
- 1:35 Aluminium M1122 & M454 155mm artillery shells
- 1:35 Centurion Hush Puppy tracks
- 1:35 M1126 Stryker CROWS-J
- 1:35 Royal Engineers modern pipe fascine

bachmann.co.uk



EDUARD

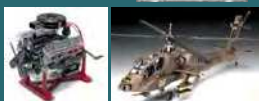
- 1:35 Sd.Kfz.167 StuG.IV photo-etch (for RFM)

creativemodels.co.uk eduard.com

REVELL

- 1:4 Visible V-8 Engine
- 1:144 Model Set
- AH-64A Apache

revell.de



RFM

- 1:35 Leopard 2 A6 with full interior

tigerhobbies.co.uk



TAKOM

- 1:35 Imperial Japanese 150 ton super heavy tank
- 1:16 Kleiner Panzerbefehlswagen I
- 1:16 Panzerjäger IB
- 1:350 USS ABSD-1 large auxiliary floating dry dock

bachmann.co.uk



ZOOMON

- 1:24 Z111 Vespa VNB 125 scooter & sidecar

zoomonmodel.com



NEW FROM TAMIYA

1:35 Ducati Superleggera latest pics

Our build of Tamiya's incredible 1:12 superbike is well underway, with the full-build feature coming soon! Here are the latest factory photos to whet your appetite...

www.hobbyco.net



NEW FROM REVELL

1:9 Din Djarin The Bounty Hunter (The Mandalorian)

The Mandalorian is still of great interest to Star Wars fans and modellers alike, so this new 1:9 kit of the Bounty Hunter is very welcome!

www.revell.de/en



NEW FROM AFV CLUB

1:35 US Army M110 howitzer

The heavy-hitting 203mm mobile howitzer is an iconic vehicle of the Vietnam War era comes to kit-form thanks to AFV Club. Expect masses of detail

www.bachmann.co.uk





COMING SOON FROM EDUARD

1:48 Gotha photo-etch details

ICM's impressive 1:48 kit of the WW2 German Gotha Go242B glider gets a neat set of photo-etched details, courtesy of Eduard
www.creativemodels.co.uk www.eduard.com



NEW FROM PANZER ART

1:35 WW2 British tank crew

Polish detail-meisters Panzer Art have recently created this pair of WW2 British tankers in resin and they look superb!
www.panzerart.pl



NEW FROM REVELL - 1:24 VW T3 Bus

Fancy some camping kitsch? Check out this 1:24 Volkswagen T3 Bus from Revell!
www.revell.de/en



NEW FROM MENG

1:48 F/A-18F Super Hornet Bounty Hunters

Meng's stunning Super Hornet will now come with a set of colourful decals for the 'Bounty Hunters' which includes the red/white/blue nose flash.
www.creativemodels.co.uk www.eduard.com



COMING SOON FROM TAMIYA

Modeling Brush HGII

These three brushes are of extremely high quality and are ideal for painting very fine details.
www.hobbyco.net



NEW FROM HK MODELS

1:48 B-25J Mitchell

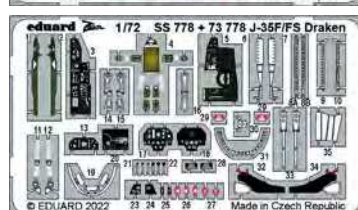
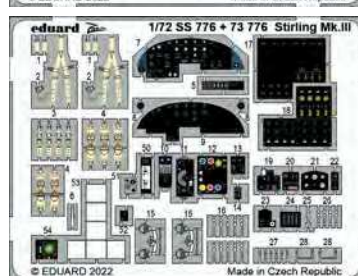
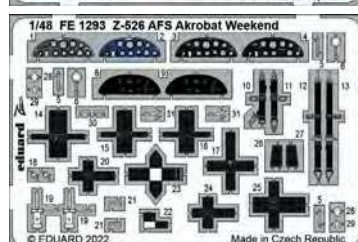
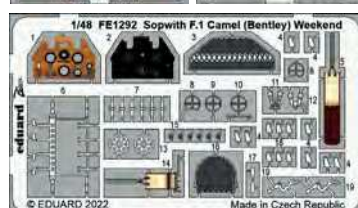
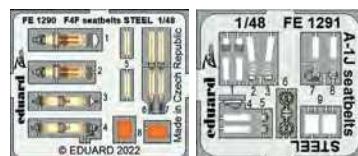
On the way from the folks who brought us superb kits of the Lancaster and Flying Fortresses in 1:48 is an all new North American B-25J Mitchell!
www.hk-models.com



COMING SOON FROM EDUARD

- 1:72 photo-etch J-35F/FS Draken (for Hasegawa/Hobby 2000)
- 1:72 photo-etch J-350E Draken (for Hasegawa/Hobby 2000)
- 1:72 photo-etch Stirling Mk.III (for Italeri)
- 1:48 photo-etch Z-526 Akrobat (for Eduard)
- 1:48 photo-etch Sopwith F.1 Camel Bentley (for Eduard)
- 1:48 photo-etch A-1J seatbelts (for Tamiya)
- 1:48 F4F Wildcat photo-etch seatbelts (for Eduard)

www.creativemodels.co.uk www.eduard.com



KIT PREVIEW

TAMIYA 1:35 BRITISH CRUISER TANK A34 COMET ● KIT NO.35380



THE COMET'S TALE

The Comet tank or 'Tank, Cruiser, Comet I (A34)' was a British cruiser tank that first saw use near the end of the Second World War, during the Western Allies' invasion of Germany. The Comet was developed from the earlier Cromwell tank and was fitted with the new 17-pdr 'High Velocity' gun, in a lower profile, partly-cast turret. This weapon was effective against late-war German tanks, including the Panther at medium range as well as the Tigers. The Comet was deployed in January 1945 and remained in British service until 1958. In some cases, Comets sold to other countries continued to operate into the 1980s.

The British 11th Armoured Division was the first formation to receive the new tanks, with deliveries commencing in December 1944. The 29th Armoured Brigade, then equipped with Shermans, was withdrawn from fighting in the southern Netherlands early in the same month for re-equipping. After arriving in Brussels and preparing to hand in their Shermans, the Ardennes Offensive kicked off, and the brigade was forced to hastily take back its Shermans in order to take part in the countering of the German attack.

The unit returned to the Brussels area in the middle of January 1945 three weeks later and finally paid-off its

Shermans in exchange for Comets. The 11th Armoured would be the only division to be completely re-equipped with the Comet by the end of the war. The Comet saw combat and twenty-six were destroyed but due to its late arrival in the war in north west Europe, it did not participate in big battles. The Comet was involved in the crossing of the Rhine and the later Berlin Victory Parade in July 1945. (Military Illustrated Modeller Issue 132).

NEW-TOOL MODEL

Tamiya's kit is 100% new for 2022 and is number 380 in Tamiya's iconic Military Miniatures Series. The parts come on five sprues of

olive-drab polystyrene, plus one in clear for the lights and vision block and two polycaps. The decals provide markings to complete one of two Comets; 'Crusader', 11th Armoured Division, Germany, Spring 1945 and 'Celerity' (yep, 'Celerity', not 'Celebrity'), also of the 11th Armoured Division in Germany, Spring 1945. Both are overall dark green tanks, naturally.

Highlights of the kit include link-and-length tracks moulded in kit plastic, which are vastly superior to one-piece flexible tracks, not only in detail, but also how they hang on the running gear. If these are anything as good as the tracks in Tamiya's recent M18 Hellcat,



Tamiya's all new WW2 British A34 Comet Cruiser Tank is here and it looks to be the best kit yet of this late-war Panzer killer

they will fit like a glove and provide remarkable realism without the need for additional expenditure on aftermarket products.

The towing cables are moulded parts too, which won't initially please some modellers, but when inspected up close, they look very realistic and outclass cables made from nylon cord in the way they drape around their stowage brackets. Arguably the highlight of this kit is the crew, who are clad in 'zoot suits' (later called pixie suits) and are some of the best-detailed figures Tamiya has yet created. They really bring the model to life and even if you don't usually install the tank crew in your AFVs,

these are well worth adding. Tamiya's Comet is typical of the company's modern kits of armoured fighting vehicles; straightforward to build with a sensible parts-count and packed with subtle detail. We will, of course, be building this kit up (in fact, construction has already begun) and the full, in-depth feature will appear in Tamiya Model Magazine soon. ●

Availability;

Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net

AMS COMES TO

Brian Criner is struck down by a terrible affliction when building Tamiya's classic 1996 kit of the MiG-15: Advanced Modeller's Syndrome!



My dad had a couple of idioms he would chide us with as a kids. The first was “work smarter not harder”. The second, which was his favourite, he called the ‘kiss principle’: “keep it simple stupid”. It’s occurred to me that as a modeller I seem to violate these two principles as a rule rather than an exception. Let me give you an example. This was supposed to be a fast build;

three weeks at the most. The IPMS US Nationals in Las Vegas was coming up and I had originally planned on attending the contest without entering anything... Good friends, great models on display, good-ish food and an excellent vender room was all that was necessary. When I decided I’d build something for the show, I thought of my dad’s refrain. I walked over to my wall of unbuilt kits looking for

something I could build and finish with relative ease in the next two to three weeks. My eyes darted toward the Tamiya kits. Excellent engineering and ease of construction are hallmarks of Tamiya.

There, in the lower right corner, gathering dust and a bit of dog hair, was the 1:48 Tamiya MiG-15, still wrapped in cellophane. I’d picked up the kit years ago while at attending the

annual TamiyaCon contest in Southern California. Next decision: keep it out-of-box, or add a few upgrades? Although I had quite a bit of aftermarket for the kit (the old Aires Super Set, which includes a complete engine, cockpit, wheel bays, gun bay and various photo-etch), the goal was to keep it simple. Maybe just some wheels and decals (I also had the Korean War MiG Aces Pt. II decal sheet from Aeromaster).

MIG



What else could I possibly need for a 'slammer' project such as this? Sadly, it was not to be. AMS; it's a real thing folks! (Advanced Modeller Syndrome, Ed).

After making a casual check of the Sprue Brothers site (I love and hate those guys), I quickly discovered a 'couple' of things I clearly needed to purchase for this run-and-gun build. My palms started to sweat, my heart rate accelerated. After

putting the Eduard Brassin wheels/nose gear set in my cart, my eyes were pulled to the Eduard Look set. "wow, now that's pretty!". "Oh look, Sprue Brothers also carry the Eduard interior and an exterior detail set!" I exclaimed loudly from the bottom of the rabbit hole. I was in full AMS mode, only loosely conscious of the decisions my fingers were making. "flap, that's awesome, flaps, gotta have

the flaps!", "Oh look, Bronco makes a MiG-15 kit! Click, Yes...I need it!" I felt as though I was floating above my body.

After making my final pick – Master Models excellent Brass gun/pitot set – the adrenaline rush was beginning to wear off. I felt dizzy, what had I done? My 'quickie build' had suddenly become more complicated. Three weeks was starting to feel a bit short. Guilt was

beginning to settle in as I reflected on my impulsive decisions from the previous night. I was determined to make this work, I would have to suck it up!

As I started the project, I decided in the spirit of my original goal of keeping it simple, to leave out the detailing of the engine. I would build the kit engine and install it without painting or detailing it (which is necessary, as ▶

the tailpipe mounts to the back of the engine). As I began the build, I caught a glimpse of the Aires set sitting on the corner of my workbench. “I’ll just give it a look” I thought, proud of my imagined discipline. I’ll do a quick check to see if there were any practical, simple add-ons I could use. While examining the set, I discovered the nicely detailed fan blades that sit at the back of the motor/base of the exhaust pipe. Given that they would be visible if one were to look carefully up the tailpipe, I thought “Well, I’ll just paint the turbine blades on the engine, then add the pipe on top”. Easy enough. I was determined to maintain my discipline.

As I began to add the photo-etch to the cockpit tub, I made a disturbing discovery. Apparently, in my “buying frenzy”, I’d ordered the Eduard set that was designed for the Bronco kit, not Tamiya. “No, it can’t be!” Panicking, I pulled out the other aftermarket sets

I’d ordered; exterior, flaps, wheel set. Yep, all of them were for the Bronco kit. “Well f*#@!”.

DETERMINED TO REDEEM MYSELF, I REASONED THAT THEY’RE BOTH 1:48 KITS, SO THEY’VE GOTTA BE CLOSE, RIGHT? NOPE

The instrument panel was a total loss, unusable. The rest of the components simply wouldn’t fit. The nose gear strut wasn’t even close. This was not how I’d envisioned the project proceeding. After applying some liquid courage in the form of a tasty lager, I endeavoured to redeem what I could, still confident I could make the contest. I had the Quick Boost seat and I found a photo-etch fret in my spares box for the Tamiya MiG-15. Instrument panel in, seats painted. I was able to coax the PE fuse panels for the Bronco kit into place by grinding away some of the cockpit tub. I wanted to busy-up the area between the rear of the seat and the bulkhead, so I grabbed an

unused radio box for a P-51 from the spares drawer, filed it down so it would fit, added some lead wire and glued it in place.

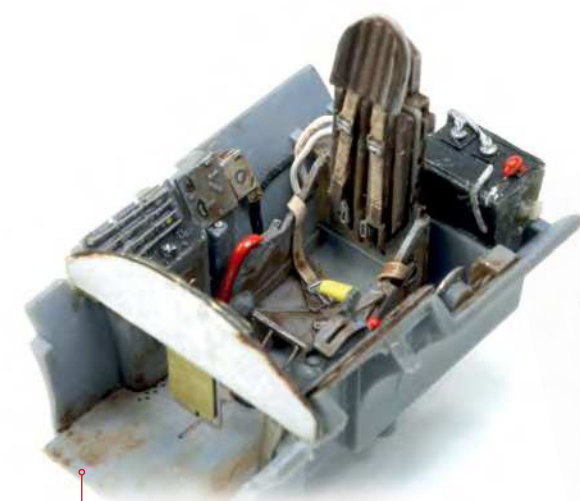
Cockpit done and installed, I was still on schedule. As I closed up the fuselage, I discovered that there is no backing to the intake of the Tamiya kit. You can look right down the hole and see the cockpit tub. Confuddled, I consulted a friend who shared some Obie-Wan-like wisdom (thank you Mr. Nicholls!). I used a piece of sponge (like the sponge that’s included with the Brassin kits) painted flat black and shoved it up inside the intake behind the airflow splitter. A low tech fix, but an effective one. The light in the intake is sucked up by that sponge. You wouldn’t know there was a sponge up there unless you shot a light into the hole.

Next I added the empennage which was a relatively easy affair as it simply slipped over the

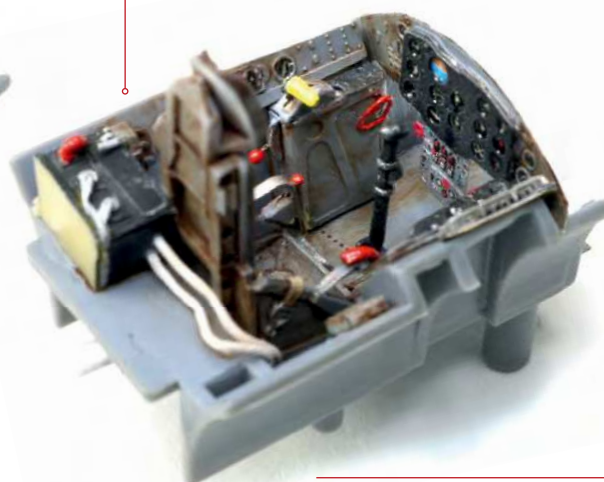
engine pipe. I attached the part carefully with superglue rather than liquid glue in order to retain the integrity of the panel line. I left the horizontal stabilizers off until later in the build. This was starting to look like a MiG and I was actually ahead of schedule! Nice!

As I was starting to feel confident again, suddenly I thought “I wonder how close a fit that Bronco/Eduard flap set is? I’ll just give it a look, can’t hurt. I’m sure it won’t fit. Then I can move on, like a rational human being, to the next step and stay on schedule”. So I measured.. And it was a perfect fit! The flap set for the Bronco kit was an exact match for Tamiya kit. “Yeah, nice to know, but you’re keeping it simple, remember Criner?” Suddenly, I noticed a pair of hands – they were my hands – cutting the flaps off with an engraving tool. Dammit!

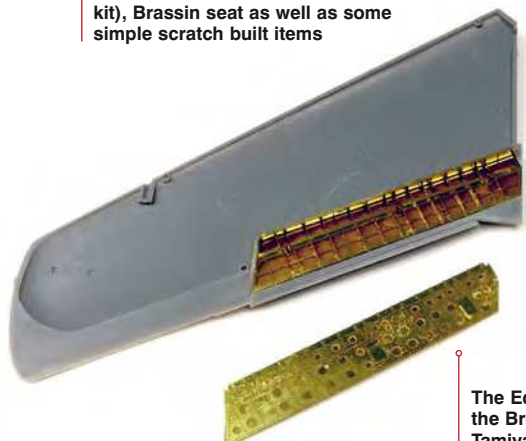
A day later I had two beautifully built and primed flap sets. I had cut and ground off the appropriate



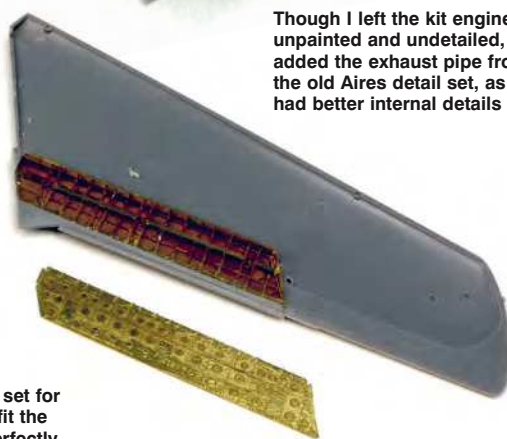
The cockpit was a mash up of the kit tub, Eduard PE (some of which was made for the Bronco kit), Brassin seat as well as some simple scratch built items



The radio box behind seat is actually a cut down resin (I believe cutting edge) P-51 radio. The wires are painted lead line

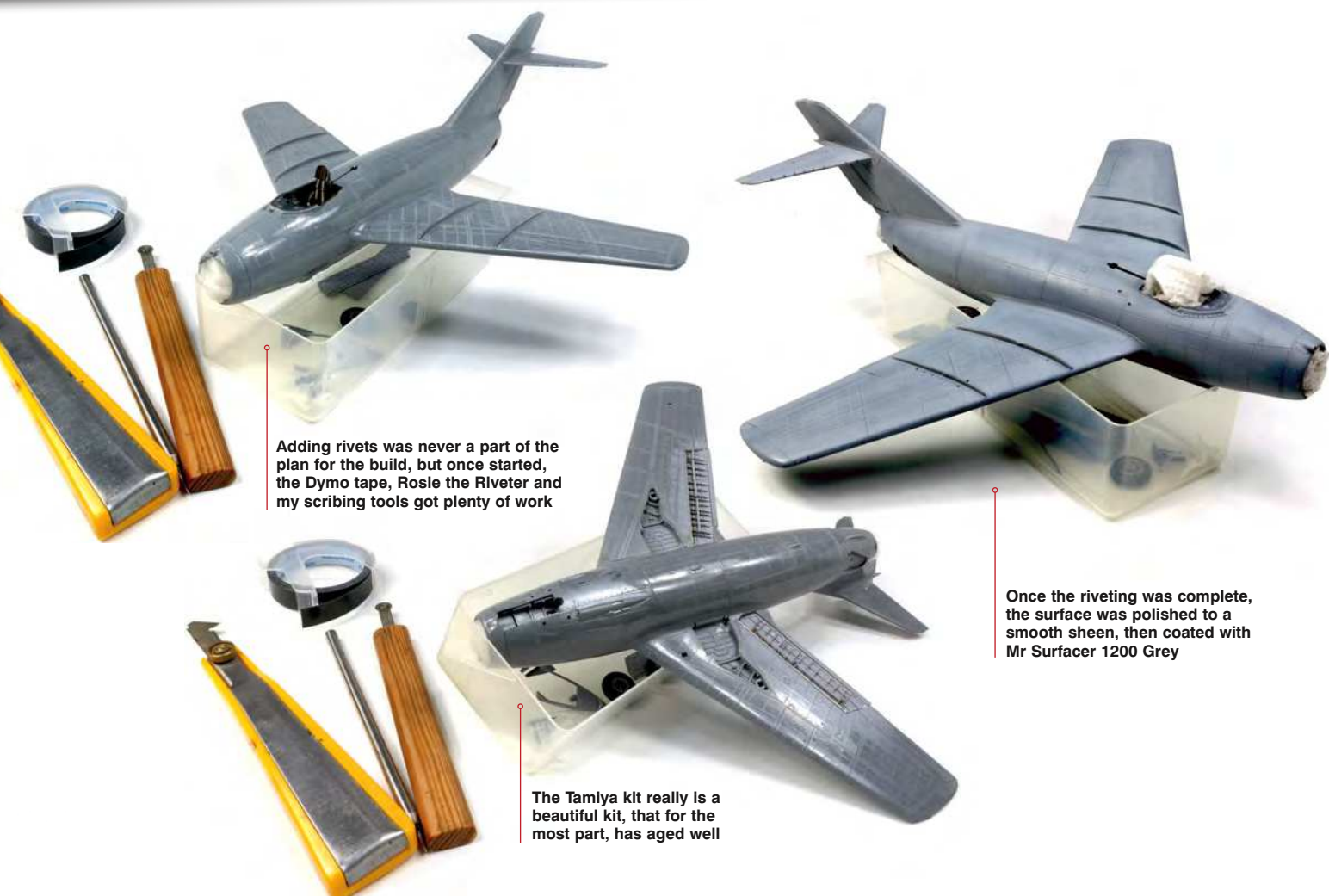


Though I left the kit engine unpainted and undetailed, I added the exhaust pipe from the old Aires detail set, as it had better internal details



The Eduard flap set for the Bronco kits fit the Tamiya wings perfectly





Adding rivets was never a part of the plan for the build, but once started, the Dymo tape, Rosie the Riveter and my scribing tools got plenty of work

Once the riveting was complete, the surface was polished to a smooth sheen, then coated with Mr Surfacer 1200 Grey

The Tamiya kit really is a beautiful kit, that for the most part, has aged well

kit parts. The process actually took less time than I had expected, so it was still reasonable to think I might get this little guy done in time. "Okay, that's it, no more! You've gotta get moving! The show's just a week and a half out! Let's get her done!" I'm guessing you've already figured where this is going.

While looking the wings over one morning while drinking my coffee, I thought "man those look bland! Maybe I'll just add a row or two of rivets. Just a row or two, that's it". That decision spelled the end of my Nationals aspirations. Though adding a couple of rows of rivets did make the surface more interesting, it also looked odd. I had accidentally committed myself; I now needed to fully rivet this aircraft. My dad's words were ringing in my ears.

In case you're wondering how close I was to making the show, the contest was in August, and the kit completed sometime around December. Though I did miss the contest, I was thrilled with how the MiG was turning out. The added rivets made the model more eye catching, at least that's

the excuse I used to make myself feel better. Now I needed to pick a paint product.

PAINTING THE MIG

Previously, I've only ever used Testors Model Master Buffable Metallizers. They're incredibly fragile, but they give you a convincing finish if done right. Unfortunately, a few years ago Rustoleum bought out the Testors line and discontinued several products, including the Model Master line of paints. Old dog, time to learn some new tricks. I had previously picked up several bottles of Alclad II metallic lacquers. Time to put them to the test.

I know "they" say you should always prime your model in black before painting a metallic finish. I've never felt the need to do that. I always prime, whether painting NMF or a more typical camouflaged surface, with Mr. Surfacer 1200 grey. Before priming, I prep the surface with various grades of polishing cloth and a polishing wheel mounted in a Dremel tool (in order to avoid melting your model, always use the laminated fabric disc rather than the cotton composite one). As long as

you're careful, use of the Dremel to polish won't harm the surface of the model. After the primer is dry, I use polishing cloth (2,400 to 8,000-grit) to obtain a nice sheen on the surface, then I polish again with the Dremel. I know this seems excessive, but I want the surface to be mirror-like before the application of NMF paints.

I chose Alclad II Airframe Aluminum and Aluminum to paint the aircraft. Given that I was not familiar with characteristics of Alclad, I chose to keep the process simple by limiting masking to just a couple of panels. After painting, I again used the Dremel to return the sheen. Unfortunately, the Alclad II paints – which are marvellous products – just don't buff out as nicely as the Testors paints. After some more experimenting and some fixes, I felt like I had the finish close to what I'd envisioned. Next, I decided to add another coat of Future. I would be decalling next, and I wanted the smoothest surface possible for the decals.

DECALS

Using the Microset/Microsol system, and a moist sponge

to press the decals down on the surface, the decalling process went smoothly (with the exception of the Tamiya-provided wing walk decals, which were a bit thick). Decalling an NMF surface can be unnerving. Occasionally, after application of the setting solutions, a stain will be left as the solutions dry. I never worry about this, as usually it disappears when fully dry. Once dry and satisfied that decals had set down into the panel lines and rivets, I airbrushed some Future over the decals seal them.

LANDING GEAR

Eduard's Brassin line has some fantastic wheels that, of course, come with masks. A nice set that was, like most of the other aftermarket I'd purchased, made for the Bronco kit. The main gear/wheels weren't a problem, they fitted fine. After plumbing them with lead wire, I moved on to the nose gear. The nose gear for the Bronco kit is very different to the Tamiya kit with a completely different attachment process. In order to make it work, I needed to modify the connection point for the gear up inside the wheel well so that I

❶ could attach and hopefully, change the position of the wheel, giving the nose gear a slight cant to one side. It was a fiddly process that involved cutting the Tamiya attachment piece off and attaching it to the Eduard part. Fortunately, it worked nicely. The nose gear pressed beautifully into place and was movable.

WEATHERING

In order to make those carefully constructed rivets a bit more apparent, I used a combination of AK Interactive and Vallejo dry pigments. Starting with black, I dusted the pigments on with a soft, flat paint brush. Next, I used a paint brush and a clean patch of cloth to wipe out the excess pigment. I then did some careful highlighting with Vallejo Light Yellow Ochre. The horizontal flat surfaces received a heavier dusting than the vertical surfaces. Once the excess pigment had wiped out with soft clothes and cotton buds, I ran a wash of burnt umber artist

oils into the panel lines. The wash bleeds into the dry pigments, accenting the weathering a bit more. On the bottom of the aircraft, I brushed a line of AK's Ochre Rust dry pigment down the centre line. I used a small, flat-tipped brush that had been dipped in turpentine and streaked the pigments in a straight flowing motion from front to back in order to create an oil staining effect.

CANOPY/WINDSCREEN/PITOT/GUNS/AIR BRAKES/WING TANKS AND OOPS MOMENTS

- I used the fantastic Master Models brass set, which included the guns, canon, pitot and an a mast for attaching the radio aerial. After burnishing them with Uschi van der Rosten's amazing burnishing fluid, they were installed and aligned

- I chose to mount the standard drop tanks rather than the conformal fuel tanks. I added a some additional staining on the tanks using artist oil washes
- The photo-etch bottom

portions of the flaps were attached using zap glue. Easy peasy!
- Adding the speed brakes at the end of the build was necessary, but complicated as they are small and fiddly

Now it was time to address the part of the build that I'd been dreading since I'd started. As every aircraft modeller knows, a perfect build can be instantly wrecked if the clear parts of the aircraft are poorly attached, or not carefully masked and painted. My trepidations regarding this build were due to the strategy used in some older Tamiya kits for designing the windscreens and canopies, an issue I first encountered years ago while building Tamiya's 1:48 F-51D for Stan Spooner's 'Building the P-51 Mustang' book.

The windscreen has no lower frame, so some sort of water based glue must be used for attaching this piece in order to avoid fogging or glue smears. Even if stains are avoided, the attachment

point doesn't look right, as an un-sandable seam is left that can easily ruin the finish. Adding to the aggravation, the fit of the windscreen was not precise, further complicating the finishing process. I managed to get the windscreen painted and attached, but now it was time to sort out one of the more complicated aspects of the build, the canopy.

Like the Mustang, Tamiya's MiG requires you to attach the clear, bubble portion of the canopy to the canopy frame, which is a separate part. Dry fitting showed this would create a very noticeable seam where there should be none. With the Mustang, I superglued the frame to the clear part, then sanded and polished to canopy/frame in order to blend the two parts. I then masked and painted slightly above the attachment line I had disappeared. This was a long and tedious process that I preferred not having to repeat. As I began the canopy construction process, recalling my frustration with

I used various shades of Alclad II paints for the natural metal. Though not as malleable as the Testors Metallizers, the Alclad brand is far more durable and available

Once I felt the metal finish was right, I coated the surface in a thin coat of Future in preparation for decals and weathering

Dry pigments from AK, MiG and Vallejo were used to accentuate panels lines





Once the weathering was complete, I added the gear, pitot, drop tanks, guns and aerials. I left that sliding canopy for last, as knew it was going to give me trouble

the Mustang build, I stopped and pondered an alternative solution. Grabbing the Bronco MiG box, I inspected the canopy. Canopy and frame are moulded as one piece...excellent! Next, I checked the fit of the canopy on the my MiG. Yes, a beautiful fit! Even better, I also had the masking set for the Bronco kit that I'd purchased in my shopping spree. After masking, painting and installing some additional interior framing, I placed the finished canopy on the model. Beautiful, only now I have a canopy-less MiG kit sitting in my stash. The last truly fiddly step involved fitting an antenna aerial from the antenna mast to the vertical tail. I'd already drilled out a small hole in the tail. Once

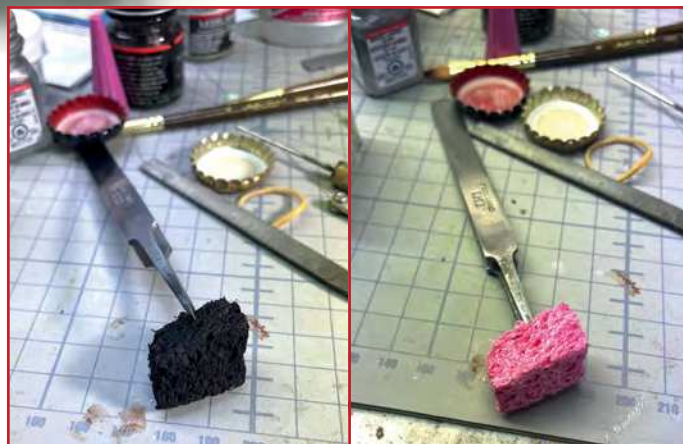
I attached the clear nylon thread to the tail with some Zap glue, I pulled the line taut and attached the other end to the mast, hitting the glue on the mast with a dab of accelerator.

SHE IS DONE, AND ONLY A FIVE MONTHS LATE. WHEW... TIME TO HAVE A COLD ONE AND CELEBRATE, RIGHT? NOPE

A few weeks after completing the build, I made an unfortunate discovery. All MiG-15s have what appear to be two inspection panels on the bottom of the aircraft just forward of the tailpipe, one square and one round. On the Tamiya kit, they are just panel lines. No painting instructions, no description. While inspecting the Bronco kit and instructions, I



In an "oops" moment, I failed to address the clear inspection window on the bottom aft portion of the aircraft. Careful attention was required in order to avoid breaking off all of the fragile antennae



In order to block off the intake (which has no backing), I painted a piece of sponge flat black, and inserted it up into the intake. A relatively simple fix

realized those panels are actually clear parts! The Bronco kit comes with clear pieces that fit over those panels and there are even masks for them on the mask sheet. Now I needed to figure out an efficient way to flip the finished model on its back, mask the panels without pulling up the

paint, and somehow create a believable 'window'. After looking online at several archival photos (as well as in flight photos of the Planes of Fame MiG-15), I concluded that in practical use, one of the two panels were often blanked with an actual cover, the other retained the clear 'window' covering. ▶



❶ I chose to represent the round window as 'open', and the square window 'closed' as I'd seen on the Chino MiG. This necessitated turning the aircraft over without ripping the long, fragile aerial wire. Now I needed to mask the panel I was to paint, then carefully paint a layer of black followed by several layers of clear to simulate glass. No problem! After my first attempt pulled up paint around the panel, I started to cuss. Pretty sure I invented some new cuss words. In any event, I started over. Fortunately, the second attempt was successful, with the only damage being a small aerial that was knocked off in the process.

EPILOGUE

I decided that adding a base might make the finished product a little more eye-catching. As I considered my options, I discovered a pre-made PSP base I'd purchased and painted years before. The MiG looks properly menacing on it. In addition, I added a lovely boarding ladder from LP Models (which also includes an excellent pilot figure and wheel chocks) that I'd apparently purchased as a part of my spending orgy. I had one concern regarding the use of the base. I wondered if PSP was used appropriately here. Did the Soviets use PSP? My recollection was that

PSP was used only by the Allies. I know that most airfields used by the Soviets were concrete pads. After scanning my resources, I found a nice, wartime (okay, late '50s) photo of MiGs on PSP, on page #39 of the Warpaint Series No.120. Close enough.

I had finally finished my 'quickie' build. Dad's words were in my thoughts once again...I tried to remember if I ever recalled him saying "the ends justify the means". Nope, pretty sure he would have said something like "working harder not smarter again Brian?" Oh well...I've learned a lesson that I'm guaranteed to forget before my next build. ●

TECHSPEC...

TAMIYA 1:48 MIG-15 KIT NO.61043

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

Alclad II Airframe Aluminum and Aluminum

Accessories used:

- Eduard Brassin: wheels/nose gear, flaps
- Master: gun/Pitot set
- Aires: engine set

Availability:

- Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net
- The 1:48 MiG-15 is currently out of production. Search online for secondhand examples
- Eduard: www.creativemodels.co.uk
www.eduard.com
- Master: www.master-model.pl
- Aires: www.aires.cz
- Alclad II: www.hiroboy.com

“Eduard’s Brassin line has some fantastic wheels that, of course, come with masks...”





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03822 Airbus A400M Atlas "RAF", 1:72

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STAR
WARS



MILLENNIUM FALCON

01211 Millennium Falcon "The Last Jedi", 1:144

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MIG-15 AT WRIGHT-PATTERSON

Cockpit references for the preserved MiG-15 at the National Museum of the US Air Force, Wright-Patterson Air Force Base, Dayton, Ohio, USA





MODELLING REFERENCES: COLD WAR WARSAW PACT AVIATION

MIKOYAN-GUREVICH MIG-15



Photographs;
National Museum of the US Air Force,
Wright-Patterson Air Force Base,
Dayton, Ohio, USA, public domain
www.nationalmuseum.af.mil



**NEW
SCHEMES**

1:48

Westland Lynx HMA8 /Mk.88A/Mk.90B A10107A



WESTLAND LYNX HMA8
No.815 Naval Air Squadron, HMS Portland, Royal Navy, Royal Naval Air Station Yeovilton, Somerset, England, 2017.



WESTLAND LYNX MK.88A
Marinefliegergeschwader 3 "Graf Zeppelin", Germany, 2018



WESTLAND LYNX MK.90B
Søværnets Helikopterflotille (Danish Navy Air Squadron), 2013.

Length 316mm Width 265mm Pieces 296

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The Mk8 naval variant of the Lynx entered service with the Royal Navy in the early 1990s and has since gone on to provide them with an excellent maritime attack helicopter, performing well in the anti-submarine role as well as search and rescue.

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KIT PREVIEW: CLASSIC RALLY CAR

ITALERI 1:12 LANCIA DELTA HF INTEGRALE 16V ● KIT NO.4709





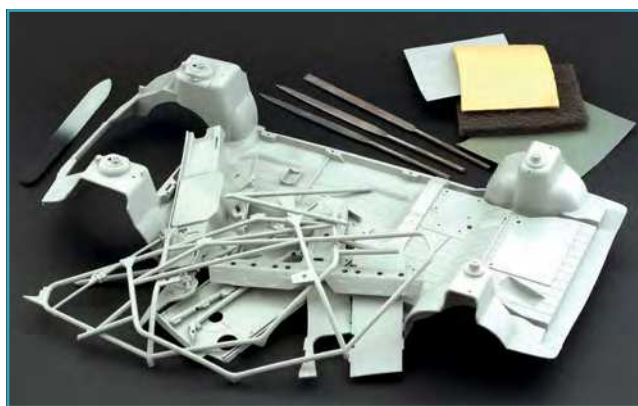
A RALLYING ICON IN 1:12!

Gennaro Zappa builds Italeri's stunning 1:12 Lancia Delta HF Integrale 16V

The sporty version of the Lancia Delta road model – the 'HF' 4WD – is an icon of rally cars. The Delta HF was produced in the second half of the 1980s and it participated in the World Rally Championship from 1987 to 1988, winning two world titles and ranking first in numerous races such as the prestigious Monte Carlo and Sanremo Rally.

Its development, the Lancia Delta Integrale, took part in the races until 1993, won another five world titles and consolidated the 'Palmares' in the off-road

competitions of the Italian company. In many aesthetic details that have made it more muscular, such as the widened fenders and the new air intakes on the hood and the technology and the engine of the HF Integrale were also improved. The performance of the 1995cc turbo engine, for example, was increased to 185hp. The Lancia Delta Integrale dominated the World Rally Championship between the 1980s and the early 1990s and brought many famous drivers such as Miki Biasion, Didier Auriol to victory.



The Lancia begins! Some of the major components are being cleaned up in preparation for paint



Zero Paints Semi-Gloss Black Aluminium and Chrome are being used for the interior, along with AMMO primer for metallic finishes



Here we see the engine's main parts being readied for their final finishes

KIT PREVIEW: CLASSIC RALLY CAR

ITALERI 1:12 LANCIA DELTA HF INTEGRALE 16V ● KIT NO.4709

ITALERI'S 1:12 MODEL

This is my latest work in collaboration with Italeri to define any changes to be made to the model during assembly. This new kit takes advantage of the modern 3D design processes that make it, together with the new moulding technologies, an authentic 1:12 scale masterpiece. The assembly was performed following the scheme dictated by the instructions in a detailed and easily understandable manner. Regarding the colours, same thing, I faithfully followed the indications in the instructions. The Martini decals sponsor of the car produced by Cartograf are valuable. In life you have to immerse yourself in emotions! I've always done it through my passion for modelling. By assembling all the components with meticulous precision, using the right glue and paints, the magic comes to life and everything I am passionate about materialises before my eyes! ●

And just like that, the Lancia's engine has been assembled! The radiator and air intake are next



Underneath the model we can see the conventional exhaust system is being test-fitted. The dashboard has also been completed

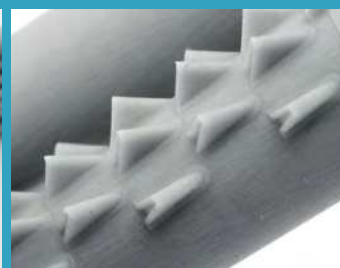


This close-up of the dashboard looks extremely realistic decals applied. Note the Kevlar floor panels

Mini Review...

EDUARD BRASSIN 1:48 BEAUFIGHTER
EXHAUSTS PRINT (648762) FOR TAMIYA
www.eduard.com www.creativemodels.co.uk

Tamiya's 1:48 Bristol Beaufighter is a few years old, but still an excellent kit. One small but attractive upgrade that is easily made is this new set of 3D-printed 'hedgehog' exhausts which simply replace the standard kit parts. They really look superb!





The Sparco racing seats are beautifully moulded and come with Kevlar decals for their rear surfaces



once painted and the dial



Italeri's kit comes with ribbon strip and photo-etched buckles for the racing harnesses and they look highly convincing in place

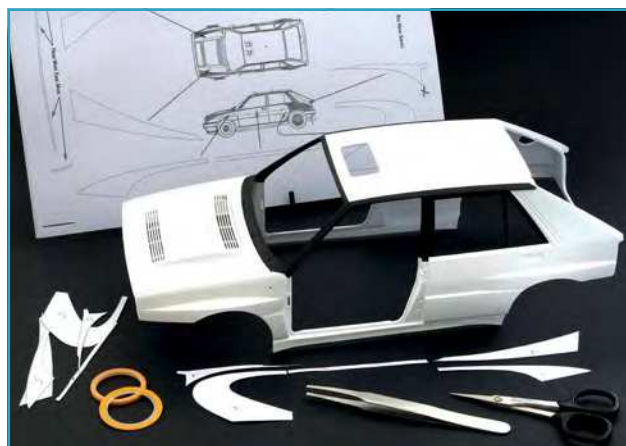


The suspension and drive train are in place now and they look fantastic. Note the heat shield behind the exhaust system

KIT PREVIEW: CLASSIC RALLY CAR
ITALERI 1:12 LANCIA DELTA HF INTEGRALE 16V ● KIT NO.4709

“The sporty version of the Lancia Delta road model... is an icon of rally cars”

Attention turns to the bodywork and the order of the day here is overall white; the sponsors' logos are all provided as decals



The chassis and cabin are complete and the various elements of the bodywork have received their decals

Time to fit the main bodyshell. The doors are held in place by pieces of masking tape to ensure correct alignment

TECHSPEC...

ITALERI 1:12 LANCIA DELTA HF INTEGRALE 16V KIT NO.4709

Materials:

Injection-moulded polystyrene, waterslide decals, photo-etched metal, synthetic rubber tyres

Paints used:

Zero Paints Semi-Gloss Black Aluminium and Chrome plus others

Availability:

Italeri models are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net



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FULL-BUILD: WORLD WAR TWO ALLIED AVIATION
TAMIYA 1:48 P-51B MUSTANG ● KIT NO.61042



Pa

Patience is a Virtue

Jason Brewer adds some key enhancements to his otherwise 'pristine' P-51B Mustang...



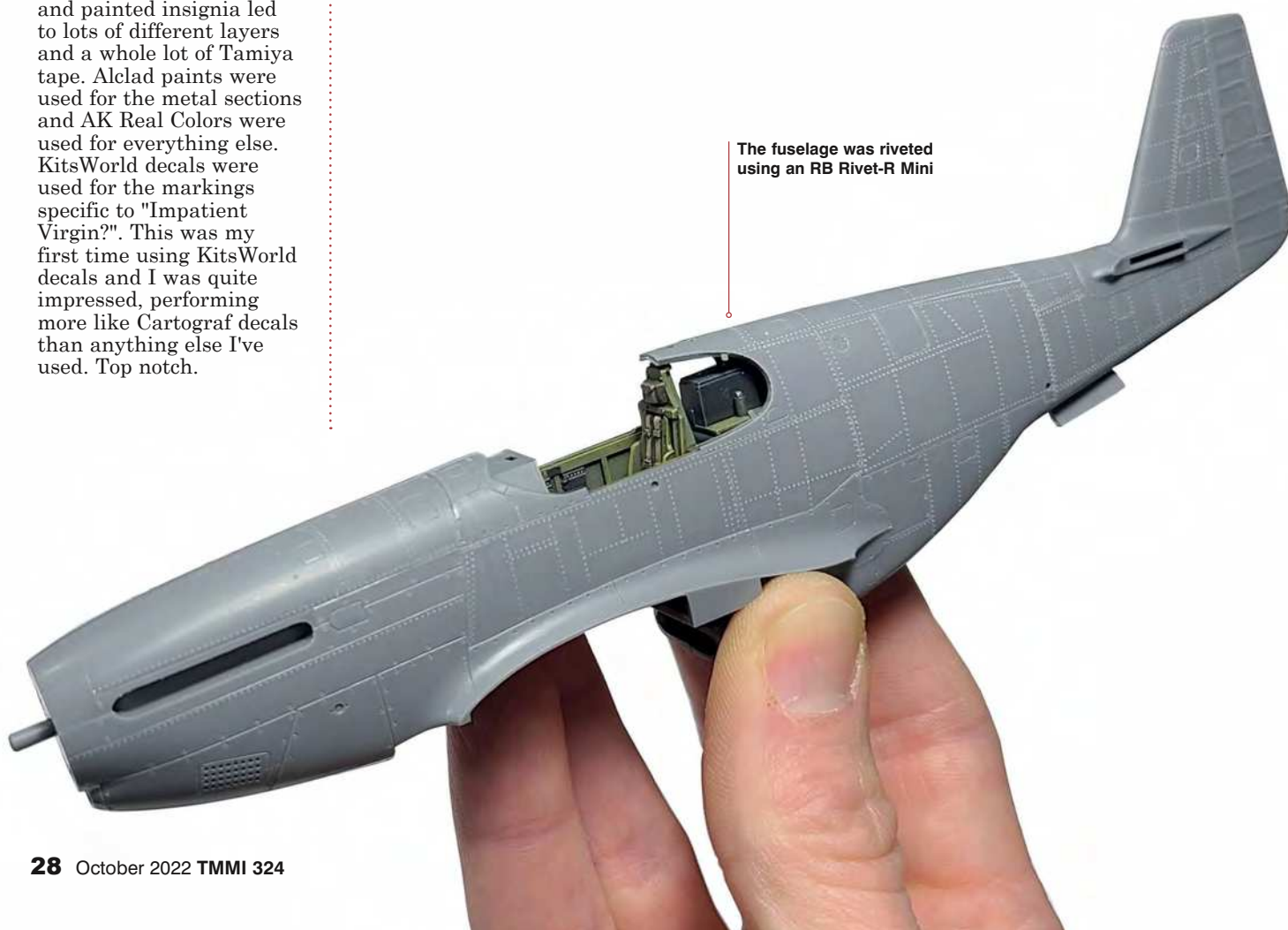
Please note, the swastika emblems have been obscured from these photographs to comply with laws in countries where Tamiya Model Magazine is sold

Tamiya kits are always great for a quick and easy build and their Mustang is no exception. I personally prefer the B/C variant over the D, especially with the 'Malcolm Hood' canopy in place. Having never done a plane with full invasion stripes, I came across "Impatient Virgin?" and decided to give it a go. The cockpit was built mostly from the box, with just an Ultracast seat and Eduard PE instrument panel adding detail. This was painted up with AK Real Colors US Interior Green and details picked out with Vallejo acrylics. The fuselage was riveted using RB Production's Rivet-R Mini and the rest of construction was typical "shake 'n bake" Tamiya. The gun barrels and exhausts were drilled out by hand and the flaps and wheels were replaced with Ultracast's corrected and detailed parts.

While assembly was simple and stress-free, the paint work was far more complex. The combination of natural metal, olive drab, invasion stripes, and painted insignia led to lots of different layers and a whole lot of Tamiya tape. Alclad paints were used for the metal sections and AK Real Colors were used for everything else. KitsWorld decals were used for the markings specific to "Impatient Virgin?". This was my first time using KitsWorld decals and I was quite impressed, performing more like Cartograf decals than anything else I've used. Top notch.



The cockpit was mostly from the box, aside from an Ultracast seat and Eduard PE instrument panel



The fuselage was riveted using an RB Rivet-R Mini

I kept the weathering light with AK Paneliners used for washes and AK's Matte Varnish for the final finish. The kit Malcolm Hood doesn't fit in the open position so I replaced it with a vacuum-formed item from Squadron.

Tamiya's P-51B was released in 1995 and is still a joy to build 22 years later. With a few minor upgrades it builds up to a lovely model, and now I have a fully-striped bird under my belt! ●



Airframe mocked up after all of the paint work and decals were completed. The KitsWorld decals performed flawlessly



All of the fiddly bits prepared and ready for final assembly



FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

TAMIYA 1:48 P-51B MUSTANG ● KIT NO.61042

PDF NEWSPAPERS and
MAGAZINES:
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TECHSPEC...

TAMIYA 1:48 P-51B MUSTANG
KIT NO.61042

Materials:

Injection-moulded polystyrene, waterslide
decals

Paints used:

- AK-Interactive: Real Colors, Paneliners,
Matt Varnish
- Alclad II: Metals
- Tamiya Acrylics
- Vallejo Model Color

Accessories used:

- Ultracast: seat, wheels, flaps
- Eduard: Zoom PE
- Montex: masks
- KitsWorld: decals
- Squadron: vacuum-formed canopy

Airbrush Used:

- Iwata HP-B Plus

Availability:

- Tamiya models, accessories, paints and
materials are widely available from
good model shops and online. UK import
and distribution by The Hobby Company
Limited; www.hobbyco.net
- AK-Interactive: www.ak-interactive.com
- Alclad II: www.hiroboy.com
- Eduard: widely available from good model
shops and online. www.creativemodels.co.uk
- Iwata: www.airbrushes.com
- KitsWorld: www.kitsworld.co.uk
- Montex: www.montex-mask.com
- Squadron: www.squadron.com
- Ultracast: www.ultracast.ca
- Vallejo: www.creativemodels.co.uk



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MW835, W/Cdr Charles H. Dyson,
CO of Southern Sector, RAF Middle Wallop,
Hampshire, Great Britain, 1946



MW800, S/Ldr Frank W. M. Jensen,
CO of No. 54 Squadron, RAF Chilbolton,
Hampshire, Great Britain, June 1946



PR527, R/D, Chakeri,
India, January 1947



PR736, S/Ldr Dennis C. Usher, CO of
No. 16 Squadron, BAFO, Fassberg,
Germany, 1946-1948



PR788, S/Ldr R. N. G. Allen, No. 33 Squadron,
Kuala Lumpur, Malaysia, February 1948



PR674, W/Cdr Frank R. Carrey,
CO of No. 135 Wing, BAFO, Fassberg,
Germany, August 1948 - February 1949



AT39 (ex PR809), No. 14 Squadron,
Royal Pakistan Air Force,
Pakistan, 1949



HA547, No. 7 Squadron, Royal Indian Air Force,
India, 1949



HA426, No. 7 Squadron, Royal Indian Air Force,
Jammu, India, December 1948



PR836, F/Lt Michael P. O. Blake,
No. 3 Squadron, Royal Indian Air Force,
Kolar, India, 1946-1947



1/48

LIMITED

Cat. No. 11164
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FULL-BUILD: WORLD WAR TWO AXIS ARMOUR
TAMIYA 1:48 TIGER I EARLY PRODUCTION (EASTERN FRONT) ● KIT NO.32603

TIGERFIBEL!

A TALE OF ANOTHER TINY TAMIYA TIGER

Spencer Pollard builds Tamiya's reworked 1:48 Tiger I kit, adding extra detail and crew along the way, to create something just a little more special...





In 2004 Tamiya surprised the modelling world with the release of the first kits from a new range of vehicles that they had created not in 1:35, but 1:48. Though not the first time this scale had been used by Tamiya to create armour (they'd had a collection of motorised kits within the range for several decades up to this point) it was the first time that they had seriously considered static kits that would not only offer smaller packages, but also match their ever-increasing range of aircraft in 1:48.

First of those kits was the Tiger I, an obvious choice that pointed in the direction of their approach and showed modellers what they might

expect from each kit as it was released. Though ostensibly an all-plastic kit, the Tiger I, along with a number of subsequent releases, was unusual in having an all-metal lower hull, onto which you built the rest of the model. The idea here was that the hull would add a little weight, and though I'd personally never given that idea any thought whatsoever (!) it certainly achieved that aim. The downside here though was that you needed to use superglue to assemble part of the kit, thus elevating what was a simple enough product suitable for beginners, into the realm of the more advanced project, for modellers with increased skills.

FAST FORWARD EIGHTEEN YEARS...

Earlier on this year Tamiya announced that they were going to revisit their first 1:48 armour kit, change it around slightly and then offer it once more for sale. Essentially, the kit is the same as before, at least in terms of then plastic parts. Where it does differ is in having a plastic lower hull, with metal rods replacing the metal hull, weight being offered internally, rather than as part of the basic structure. Not only does this make assembly easier, the parts fit together more cleanly, that metal hull not having quite the same degree of finesse and tolerance as the surrounding

plastic glacis plate and upper hull.

In terms detail and accuracy, the kit scores well, though some of the smaller features are rather simplified. This is evident on the upper hull, where tools are moulded in situ, rather than being separate items; turret smoke dischargers are basic shapes and items such as the jack and the upper structure of the exhaust are moulded solid rather than reflecting their open construction. The kit, it needs not be said, is designed for ease of assembly and that is reflected in some of these compromised details.

That said, the model looks ever inch a Tiger once complete and that

FULL-BUILD: WORLD WAR TWO AXIS ARMOUR

TAMIYA 1:48 TIGER I EARLY PRODUCTION (EASTERN FRONT) ● KIT NO.32603



The most obvious change between this 'new' kit and Tamiya's initial release of this vehicle in 1:48, is the use of a plastic lower hull rather than one moulded in metal

All plastic construction around this kit was carried out using Tamiya's Cement and Extra Thin Cement with heat success, the former allowing a degree of working time as the glue set

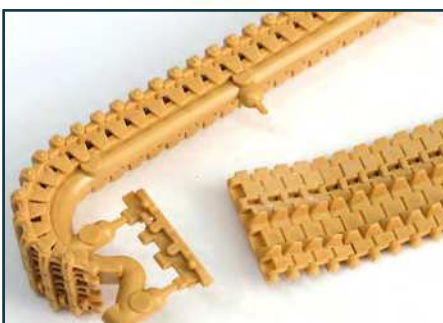
Instead of the metal hull, weight is generated by the use of these four steel rods. Plastic end caps keep them all securely in place within the lower hull



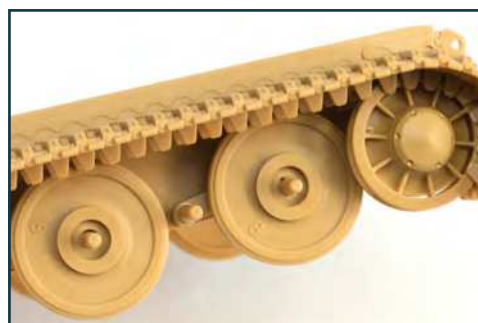
Though the suspension forms part of the lower hull, the kit features a full collection of road wheels, all of which interleave to create a highly realistic set of running gear



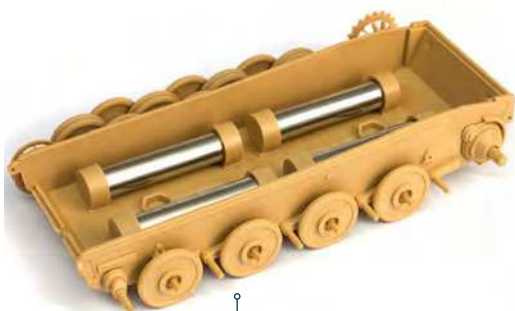
A clever jig is offered as part of the kit's runners that helps you to easily form the curve of the tracks prior to setting them in place



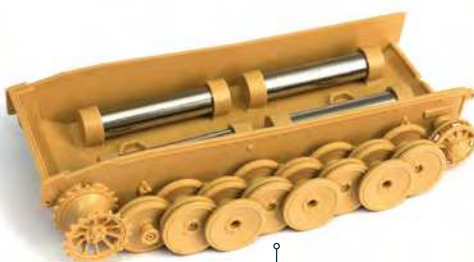
Here is one of the track runs in place over the aforementioned jig. There are a number of ejector-pin marks on the inner faces of the tracks that need to be dealt with should you choose to do so. I only worked with the surfaces that were visible, ignoring anything that I couldn't see!



Inner road wheels glued in place, the tracks could be tested for fit. Some adjustment would be needed until they looked to be comfortably in place and even now, I feel that one side is slightly misaligned. Forewarned is forearmed!

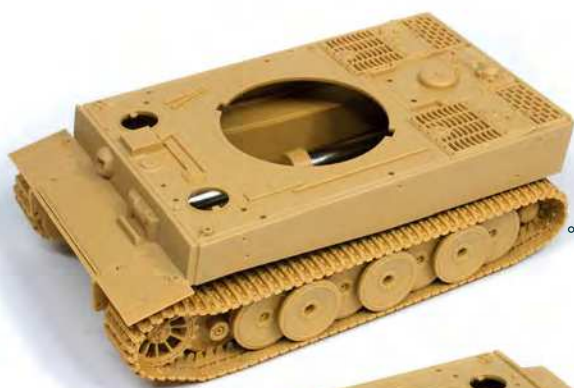


The lower hull with inner road wheels in place. The wheels sit perfectly flat thanks to the suspension arms being moulded as part of the lower hull



Wheels all glued in place. Numbers, moulded as part of each wheel, ensure that this is simple and straightforward, your hand being held my the design of the kit and the instructions, throughout the process





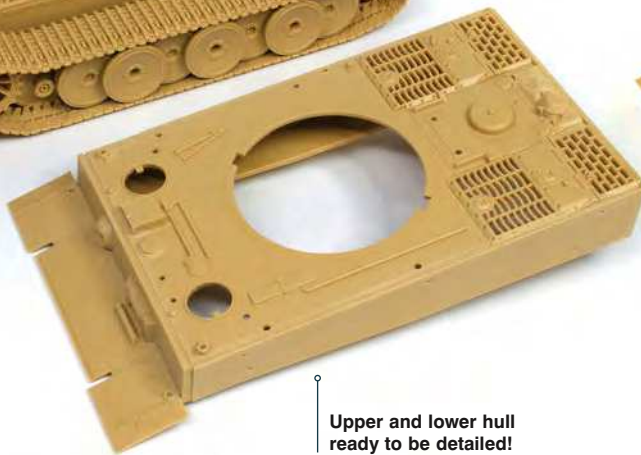
Test-fitting the upper hull. The fit is so good, I was confident that this could be painted separately and then dropped in place at the end of construction without glue!



As soon as I started to build the model, I knew that the engine deck would be an issue, the missing vent screens standing out like a sore thumb. Time for some photo-etched embellishments...



In order to ease painting, I decided to glue all of the wheels and tracks in place and then paint and weather them in one go. Though often daunting I find that this allows me to focus only on what will be seen, rather than read that will be hidden when it is all put back together



Upper and lower hull ready to be detailed!



In order to add some additional features over the surface of this model, I grabbed an Eduard photo-etched set. Though I had grand plans to use it all, many of the smaller parts were simply too oversized to be useful, so I only really used the larger items such as the vent screens and exhaust guards, to improve the model



Two views of the completely assembled model. Though Tamiya's 1:48 kit is a simple build of this machine, it looks every inch a Tiger I, once constructed

FULL-BUILD: WORLD WAR TWO AXIS ARMOUR

TAMIYA 1:48 TIGER I EARLY PRODUCTION (EASTERN FRONT) ● KIT NO.32603



Along with the aftermarket additions, I adapted a number of the kit parts to add some personalisation. The spare track was one such area, Evergreen strip being used to replace the filled kit part, with one that only featured a few of the spare links left over from the build

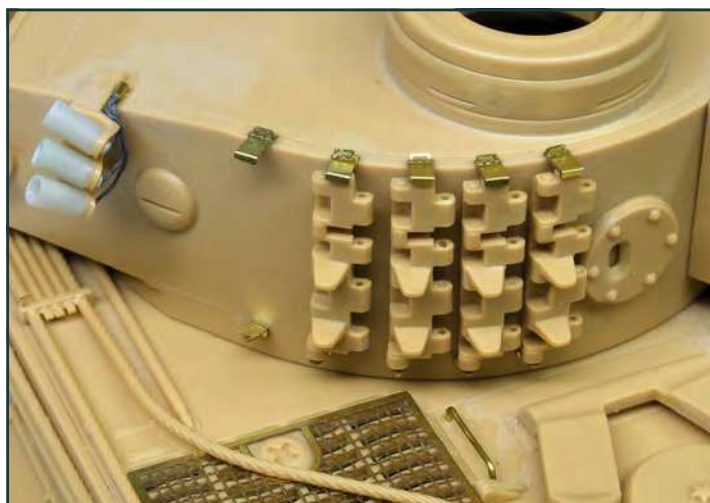


Exhaust guards were replaced with etched items from Eduard's set, a rolling tool being used to carefully bend them into the correct shape

Those PE grilles make a massive difference to the look of the model, then superglue being used to very carefully set them into place over the kit's open grilles



Viewed on my workbench, the smaller additions around the turret become apparent. Though the Eduard set offers tool clamps, they were simply too big, so their lock claps are removed from each one and then used to detail the kit's tools, on their own

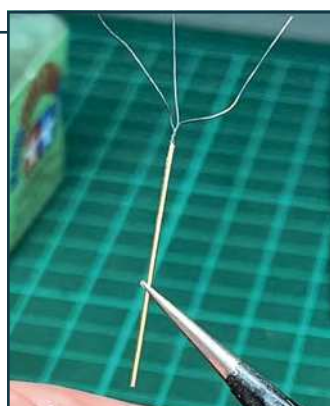


Etched hangers add finesse and detail around the spare track links. Though not specific to the options in the kit, choosing a representative option allowed these neat details to be used as part of my slightly 'what-if' build

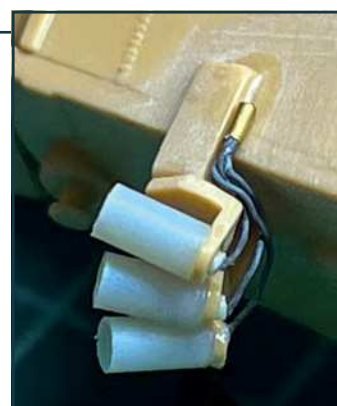
◀ simplicity and frankly, speed of construction, allows the modeller much opportunity to spend extra time adding details without running the risk of becoming bogged-down prior to the application of paint. You'll see here that I used that spare time to add a few etched parts here and there, to modify a number of the kit parts and then add some crew figures and accessories, both of which are rather noticeable by their absence. None of this was difficult

and though a representative vehicle was my aim, rather than modelling a specific machine, I was rather taken by the completed model and how it looked once sitting in my display case.

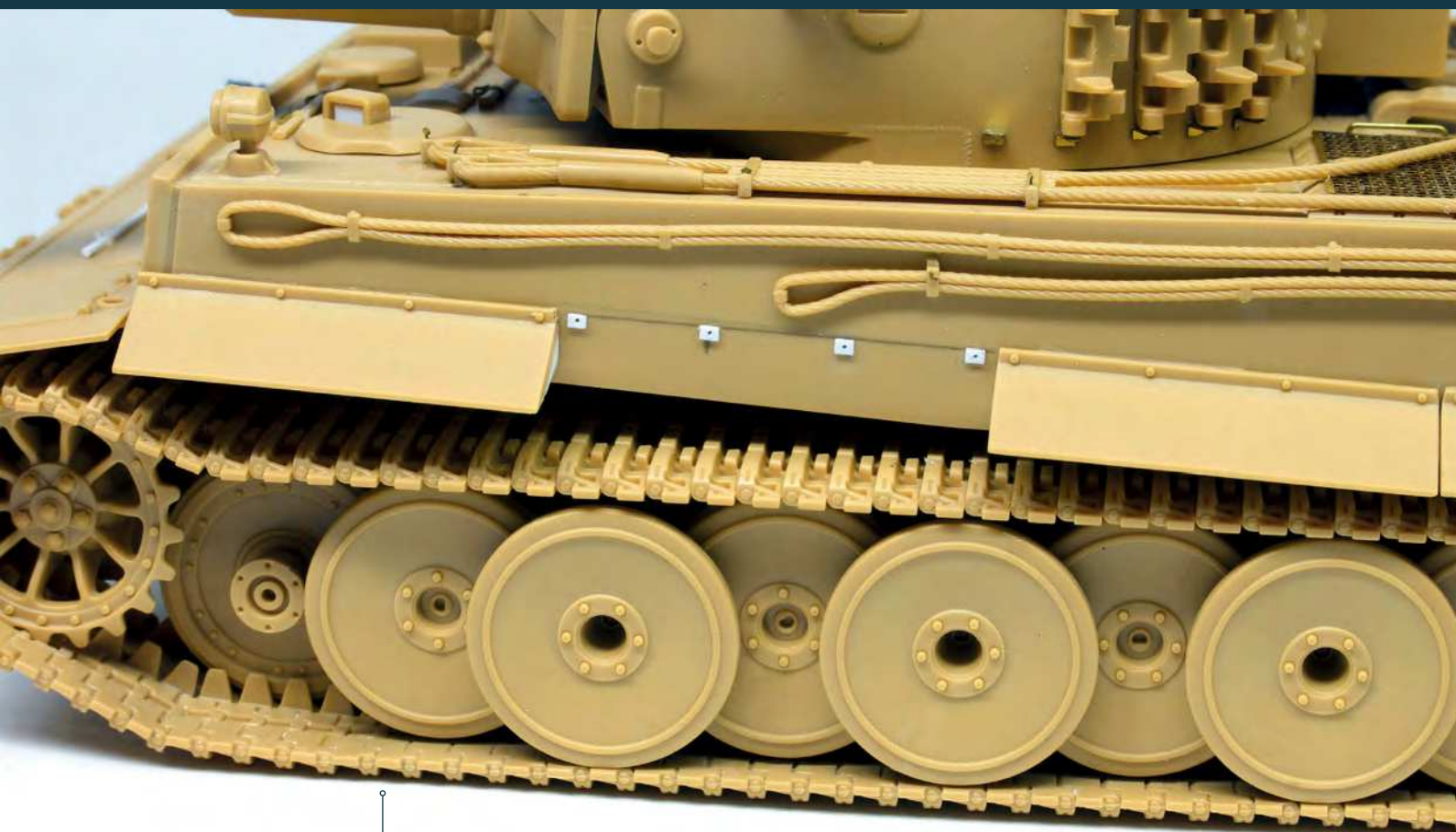
In terms of construction, though there is very little to trap the unwary, there are a couple of things here and there that are worth pointing out. The first are the number of ejector pin marks that litter the inner faces of the track links. Though small, they really need to be



Adding electrical cabling to the back of the smoke dischargers involved the threading of very fine lead wire into equally fine brass tubing!



Plastic tubing replaced the kit dischargers, electrical wiring being added as a final layer of delicate detail



Another modification to the kit parts involved splitting the long mudguards and then gluing each guard in place, one by one. Missing one out and then adding brackets from plastic card, helped to add further interest and individuality

removed, at least those that will be visible, need be. In practice, I only dealt with the inner face of the lower run of tracks that sit under the wheels, a simple scrape with a rounded scalpel

blade and then work with a sanding stick, rendering them invisible.

Once cleaned-up, the tracks can be assembled. Help is provided here thanks to the inclusion of a

template that forms part of the wheel runners, this being used to partially assemble the tracks prior to setting them in place. Though it is possible to assemble track lengths and then remove

them for painting, I elected to glue all of the running gear and tracks together before applying colour, this seeming to be an easier route to completion. Whatever route you choose take care ▶

I love a model when it gets to this point, all of that construction and detailing being easily appreciated before the application of paint



FULL-BUILD: WORLD WAR TWO AXIS ARMOUR

TAMIYA 1:48 TIGER I EARLY PRODUCTION (EASTERN FRONT) ● KIT NO.32603

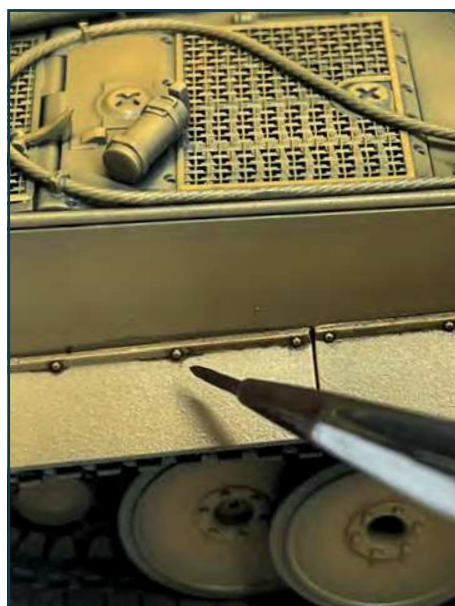
The model was base-coated with Halfords Matt Black and then oversprayed with thin layers of Tamiya XF-88 Dark Yellow 2



The entire model was oversprayed with Dark Yellow, and then the tracks with a dark brown shade, mixed from Tamiya Red Brown and Flat Black. Once dry, everything was sprayed with several coats of Games Workshop Purity Seal to create a smooth satin finish



With the base-coats dry, smaller details were picked out with AK Interactive 3G Dunkelgelb and a fine brush. Note here, that the green camouflage had not been considered yet as part of the final scheme...



Raw Umber and Black oil paints were mixed and thinned with Odorless Thinners to produce a wash. This was then applied around all of the small details too create the first layers of dirt and shadow



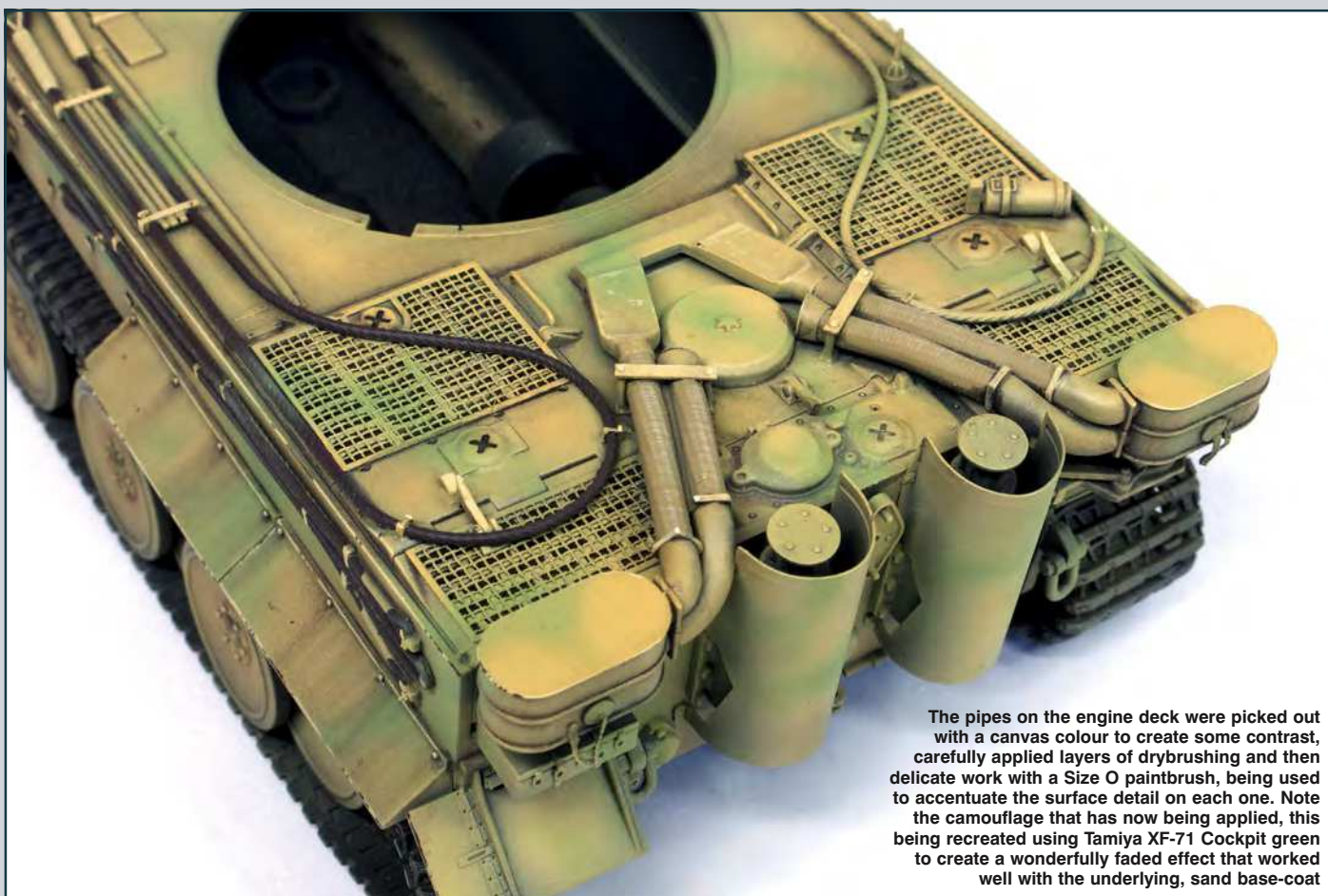
With the wash in place, it was blended-in with a soft brush, moistened with a little thinner. Dragging the wash down the sides on the model added the illusion of first streaks and rain-wash, delicate areas of weathering that helped to break up the finish



Two cables and tool heads were picked out with Vallejo German Cam Black Brown, thinned with a little water



More highlighting of detail, this time with a lightened version of AK's Dunkelgelb, helped to further lift the finish. This would be the first of many increasingly lightened layers until the model was finally complete



The pipes on the engine deck were picked out with a canvas colour to create some contrast, carefully applied layers of drybrushing and then delicate work with a Size O paintbrush, being used to accentuate the surface detail on each one. Note the camouflage that has now been applied, this being recreated using Tamiya XF-71 Cockpit green to create a wonderfully faded effect that worked well with the underlying, sand base-coat



AMMO's ever-useful Starship Filth Oilbrusher was used to add additional layers of grime, small deposits being added to the surface of the model and then blended in with thinners



Vallejo's Camo Black Brown was also used to add chipping around the model, this being applied with both paints brushes and small pieces of sponge. Note the look of the tracks on this shot, tread detail having been accentuated with a drybrushed layer of Games Workshop Iron Hands Steel.

FULL-BUILD: WORLD WAR TWO AXIS ARMOUR

TAMIYA 1:48 TIGER I EARLY PRODUCTION (EASTERN FRONT) ● KIT NO.32603

The partially completed turret. With the base coat being so pale, it made sense to use a similarly muted green to break things up a little, hence the use of Cockpit Green. This pattern is not based on anything in particular, the paint being applied in a way that looked simply pleasing and natural

The addition of etched details around the inner hatches has certainly helped improve their look, as has careful painting and weathering. The inner pad, painted as if metal in this shot, would subsequently be repainted to reflect its leather construction and finish



Getting there! The basic finish is almost complete - time to add some further layers of grime that will accentuate the detail and create a more used and abused vehicle!



With the details picked out, it was time to bring them all to life with additional layers that brought out their finer features, as well as adding further layers of weathering, wear and tear



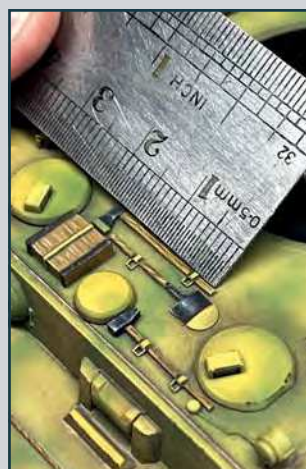
Along with the 'Starship Filth' that came from the Oilbrusher range, I also use a stock oil paint as well to increase the layers of dirt



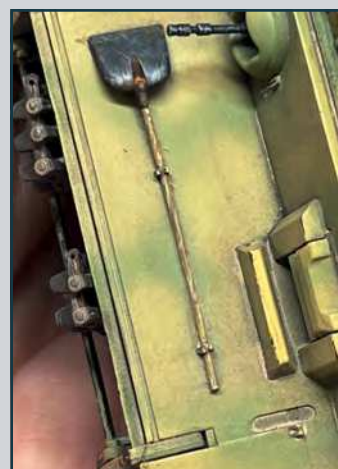
Initially, I had planned to leave the spare track links in sand and green camouflage, I decided to pick them out to add a further accent. Vallejo Camo Black Brown, washed with rust-coloured acrylics and then accented with Vallejo Acrylics helped to recreate the weathered look I was after



The completely painted tools, pop against their camouflaged surroundings. These were all very carefully painted with Vallejo acrylics, multiple layers being applied to replicate the look of both metal and wood. For the former, I used shades of grey to imitate that metallic look rather than painting each with metal paints, the use of dark grey, intermediate grey and then on up to white, allowing the illusion in small scale that these tools were metal, without the overly-grained finish that some metal paints can create. If you are interested in these ideas, check out videos on YouTube under the heading 'Non Metallic Metal' (NMM) for more ideas!



Sometimes when you post images of models in close-up you don't really have an idea of how small they really are, so here's an idea of how those tools really look, rather than under the glare of a macro lens



The spade on the glacis plate was carefully painted to pull out as much detail from it as possible. Wood grain was recreated with a layer of Vallejo Green Ochre, over-painted with streaks of that colour mixed with Ice Yellow and then Chocolate brown, carefully applied layers combining to create that delicate finish



Painting figures in 1:48 is a challenge and no mistake! The figures were taken for the Tamiya Field Maintenance set, these two tankers and the fellow inside the hatch, helping to create a little life on top of the turret. The figures were painted using AK Interactive 3G and Vallejo acrylics, 'layering' being used to finish both the uniforms and flesh tones. I still have a long way to go with this technique, but I think I'm getting there... Slowly!



Close-up of the track links. As mentioned earlier, these were base-coated with German Camo Black Brown, and then washed with Lifecolor Base Rust and then Light Rust acrylics. Highlights were then painted over edges to imitate reflections and other surface defects

FULL-BUILD: WORLD WAR TWO AXIS ARMOUR

TAMIYA 1:48 TIGER I EARLY PRODUCTION (EASTERN FRONT) ● KIT NO.32603

- ❶ to ensure that the tracks are all aligned properly, a slow-setting adhesive such as Tamiya 'white cap' cement being very useful during this stage in construction.

Remaining assembly is easy. Take care with the joining of the two-part gun barrel. It fits well, but smoothing the joint should be done slowly to ensure no flat spots across its length. Unless you replace the tubes as I did here, you will also need to approach the cleaning up of the smoke dischargers in the same way, their diminutive size making life difficult during removal from runner and then clean-up, prior to use.

With the model assembled, you can turn your attention to painting, decals and weathering. Unlike the

first release that offered a cool grey scheme, this one offers two in Dark Yellow, one plain, one covered in red-brown and green camouflage as befits its 'Early Production (Eastern Front)' labelling. Those choices are as follows:

- A: No. 223, 2nd Company, 503rd Heavy Panzer Battalion, Russia August 1943

- B: No. 213, 2nd Company, 502nd Heavy Panzer Battalion, Russia August 1943

The decal sheet is small, but beautifully printed, offering all of the relevant markings. Though the choices were interesting, I elected to create something of a 'what-if' with additional details and then markings from a redundant Tamiya

Sd.Kfz. 251 half-track; not accurate, but fun, nonetheless!

FINAL THOUGHTS

This was a fun project, the basic kit being easy to Assemble and then relaxing to paint. From the box the model looks great but with some additional detail and changed features, you can come up with something far more original. It was pleasing to return back to this kit once more, the original release having being built for an earlier role elsewhere. In fact, as this was being written, I found that earlier model, which we will maybe look at it a future issue. This was another pleasing 1:48 build and another model to add to my increasing collection! ●

TECHSPEC...

TAMIYA 1:48 TIGER I EARLY PRODUCTION (EASTERN FRONT) KIT NO.32603

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

- Tamiya Acrylics: XF-60 Dark Yellow, XF-88 Dark Yellow 2, XF-64 Red Brown, XF-1 Flat Black, XF-71 Cockpit Green
- Games Workshop: Purity Seal
- AK Interactive: 3G Dunkelgelb
- Vallejo Acrylics: German Cam Black Brown
- AMMO: Oilbrusher Starship Filth

Accessories used:

- Tamiya: WWII German Tank Crew Field Maintenance Set (32547)
- Eduard: Tiger I Early photo-etched set (28007)

Availability:

- Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net
- Eduard models and accessories are widely available from good model shops and online. www.creativemodels.co.uk www.eduard.com



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PACIFIC PUSSYCAT

Matthias Becker has built Eduard's stunning, new F4F-3 Wildcat in 1:48!



Eduard's all-new Grumman F4F-3 Wildcat is out, and what a beautiful kit it is. Detailed inside and out with a ton of photo-etched and brass upgrades already available, it represents the most comprehensively detailed replica of this model so far. The airframe sports supremely convincing rivet lines (raised and recessed where appropriate) plus access panels, air scoops and more. Wonderful stuff.



Six markings options are included as standard, list below and this ProfiPACK edition comes with pre-coloured photo-etched instrument panels, seat harnesses and more. The all-important pre-cut canopy masking set is included too, making the painting of this part hugely easier and more precise.

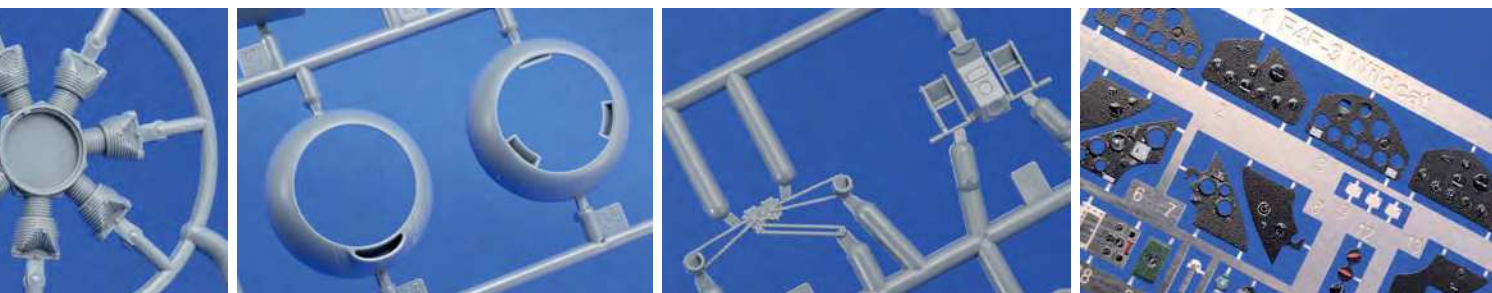
We will bring you a full-build feature on this gorgeous kit soon, but for now, enjoy Matthias's superb build! ●

F4F-3 WILDCAT MARKINGS:

- BuNo. 1850, Lt. Charles Shields, VF-41, USS Ranger (CV-4), December 1940
- Army-Navy manoeuvres, Louisiana, United States, November 1941
- Lt. Edward O'Hare, VF-3, USS Lexington (CV-2), Hawaii Islands, April 1942
- BuNo.4019, Capt. Henry T. Elrod, VMF-211, Wake Island, December 1941
- BuNo.2531, Lt. Elbert S. McCuskey, VF-42, USS Yorktown (CV-5), May 1942
- BuNo.4006 (4008), Capt. John F. Carey, VMF-221, Midway Island, June 1942

AVAILABILITY:

Eduard: www.creativemodels.co.uk www.eduard.com



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The latest photo-etched sets, resin parts, figures and accessories to enhance your scale models...

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EDUARD, CZECH REPUBLIC

www.eduard.com www.creativemodels.co.uk

The hot new kit from Eduard right now is their new-tool 1:48 F4F-3 Wildcat and as you will see from our brief look at it on pages 44-45 this issue, it really is quite special. Eduard have already launched a suite of aftermarket goodies for the model, including a whole new cockpit in resin, cast metal undercarriage legs, gun barrels, exhaust pipes, wheels, landing flaps and masks. All great stuff and with this little lot on hand, you'll surely be able to build the ultimate Wildcat!

1:48 BRASSIN

- F4F-3 Wildcat cockpit w/reflector gun sight (648777) for Eduard
- F4F-3 Wildcat wheels early-type (648767) for Eduard
- F4F-3 Wildcat undercarriage legs Bronze (648779) for Eduard
- F4F-3 Wildcat gun barrels Print (648769) for Eduard
- F4F-3 Wildcat exhausts Print (648766) for Eduard

1:48 LOOK

- F4F-3 Wildcat late (644172)

1:48 PHOTO-ETCHED BRASS

- F4F-3 Wildcat landing flaps (481086) for Eduard

1:48 SPACE

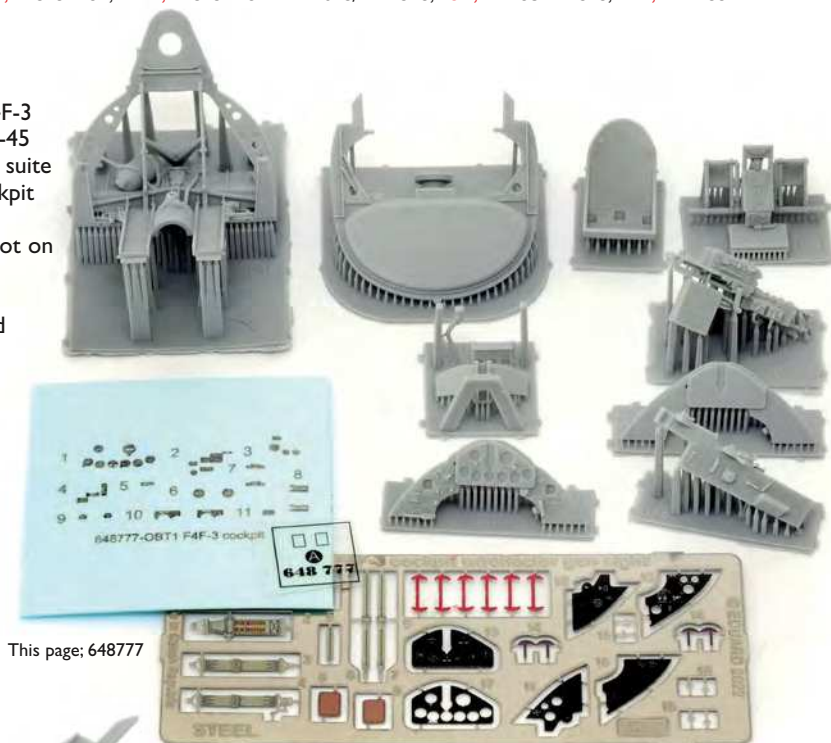
- F4F-3 Wildcat SPACE (3DL48076) for Eduard

1:48 ZOOM

- F4F-3 Wildcat seat belts Steel (FE1290) for Eduard

1:48 MASK

- F4F-3 Wildcat TFace (EX878) for Eduard



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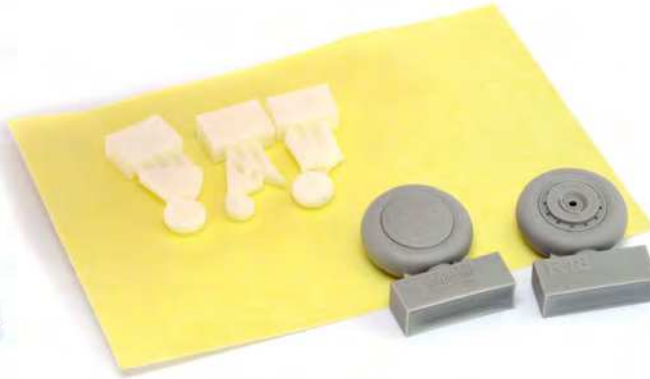


Accessories

PLASTIC SECTION, **F**; FABRIC, **IM**; INJECTION MOULDED (PLASTIC), **ITL**; INDIVIDUAL TRACK LINKS, **LCC**; LASER CUT CARD, **LLT**; LINK AND LENGTH TRACKS, **MC**; METAL CHAIN, **MMA**; MACHINED METAL PARTS), **PS**; PAPER STRIP, **R**; RESIN, **SVT**; SOFT VINYL TYRES (OR TUBING), **VF**; VINYL FIGURES, **VFP**; VACUUM FORMED (PLASTIC), **WC**; WOVEN CORD, **WD**; WATERSLIDE (DECALS), **WS**; WOODEN STRIP



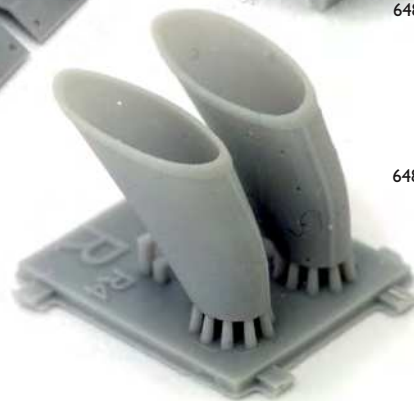
648767



648779



648769



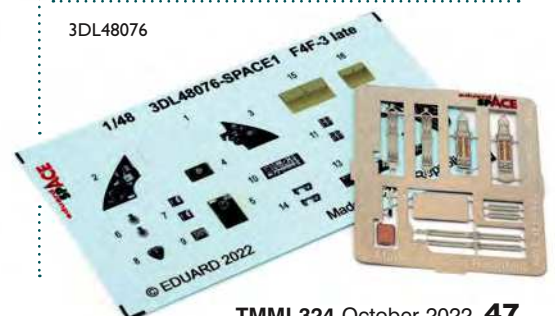
648766

644172



481086

3DL48076



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The latest photo-etched sets, resin parts, figures and accessories to enhance your scale models...

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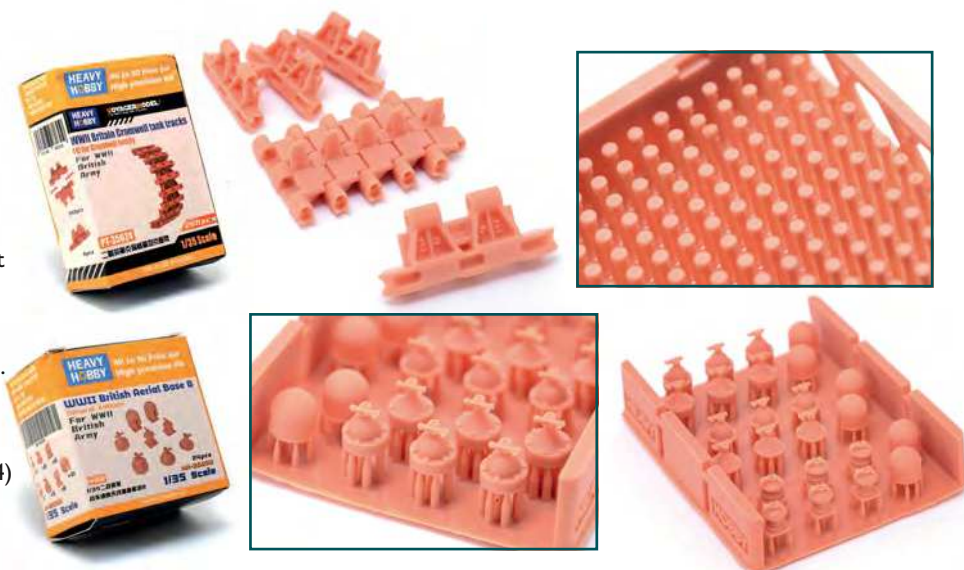
HEAVY HOBBY, CHINA

www.heavy-hobby.com

Recently arrived from Heavy Hobby is set of 3D-print tracks for Tamiya's Cromwell/Centaur tanks and if you have good eye-sight, fine tweezers and a steady hand, you'll be able to bring an extra special touch to the kits with their use! Also for British WW2 armour is a set of aerial bases 'Type B' (we looked at 'Type A' last issue) and again, there is some extremely fine detail on show here. Assemble with CA (superglue) and finish with normal model paints.

1:35 3D-PRINTED ACCESSORIES

- WWII British Aerial Bases B (HH-35030)
- WWII Britain Cromwell tank tracks (PT-35024)



AMMO, SPAIN

www.migjimenez.com

This pack from AMMO contains a range of components which can be used to create dry powder snow and wet, slushy snow. The four items in the box begin with a bottle of white powder grains to scatter on groundwork and which can be fixed in place using varnish (supplied) or with Cleaner and Ultra-glue, which need to be purchased separately. The Glossy Lucky Varnish in the pack can be used to build up thicker deposits of the powder snow. To produce the wet snow, the pack contains Snow Binder and Wet Snow, which are mixed to form a slurry to apply to groundwork, for example at the side of a road. The pack contains a booklet showing how to use each part of the provided materials, with clear illustrations and text. With these modern materials, modellers are able to create convincing snow scenes and by trying different combinations, it will be possible to blend the various forms of snow that are seen in real life. The amount of each component in the set would allow for making two or three typical dioramas, although this would depend on the size of the base and thickness of the deposits. Overall, this is bound to be a very useful set and with average modelling skills, a very convincing representation of snow will result. Useful for the creation of snow scenes, for bases and for vehicles, but some of the techniques specify additional purchases, although these appear to be household items in fact.

WINTERIZER REAL SNOW SET (A.MIG-7458)



Accessories

PLASTIC SECTION, **F**; FABRIC, **IM**; INJECTION MOULDED (PLASTIC), **ITL**; INDIVIDUAL TRACK LINKS, **LCC**; LASER CUT CARD, **LLT**; LINK AND LENGTH TRACKS, **MC**; METAL CHAIN, **MMA**; MACHINED METAL PARTS, **PS**; PAPER STRIP, **R**; RESIN, **SVT**; SOFT VINYL TYRES (OR TUBING), **VF**; VINYL FIGURES, **VFP**; VACUUM FORMED (PLASTIC), **WC**; WOVEN CORD, **WD**; WATERSLIDE (DECALS), **WS**; WOODEN STRIP

DEF MODEL, KOREA

www.def-model.com

New in from this wonderful Korean manufacturer are not one, but three wheel/tyre sets for Airfix's brand-new Austin K2/Y ambulance kit. The standard kit wheels are very decent but these resin items take it to a whole new level, with sidewall detail, finely rendered treads and a subtly bulged appearance to suggest the vehicle's weight. Also new is a set of sand tyres/wheels for Tamiya's (and Italeri's) 'Pink Panther' SAS Land Rover. Again, these will add a real touch of class to the look of the finished models.

1:35 RESIN WHEEL SETS

- British Austin K2 truck Balloon sagged wheel set 1 ('Dunlop') (DW30068) for Airfix
- British Austin K2 truck sagged wheel set 2 ('Indix') (DW30069) for Airfix
- British Austin K2 truck Balloon sagged wheel set ('Goodyear') (DW30070) for Airfix
- 'Pink Panther' SAS desert car sagged wheel set (DW35140) for Tamiya and Italeri



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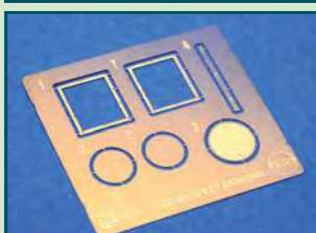
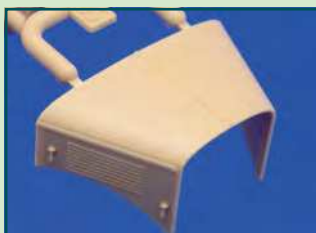
AIRFIX, UK AUSTIN K2/Y AMBULANCE

www.airfix.com

SCALE: 1:35 • MATERIALS: IM, PE, WS • ITEM NO.A1375

Airfix's hotly anticipated Austin K2/Y ambulance has arrived at TMMI and from our usual inspection of the kit parts in the box, it looks incredibly nice! Delivered on three large sprues of sand-coloured polystyrene plus one in clear and a generous sheet of waterslide transfers, the subject is given a comprehensive treatment here, inside and out. As it is an ambulance, the rear box is fully furnished with shelves for a quartet of stretchers – themselves nicely detailed – plus a liner for the roof that includes a pair of air vents. It's really well done and just needs some blankets; check out www.redzebramodels.co.uk for a superb set of these in resin. The model sits on a chassis which builds up element-by-element; chassis rails, crossmembers, leaf springs and drivetrain. Only the lower parts of the engine are provided and they should appear perfectly adequate when viewed from below. The bonnet is a one-part moulding, so if one were to add an engine to the mix, should the aftermarket produces one, this will need cutting up and hinges adding. The driver's cabin comes with a full set of driving controls with the neat touch of decals for the dashboard-dials. Seat belts are not needed, because the real thing didn't have them! Decals are supplied for one of four Austins; 30 Corps, Motor Ambulance Convoy, Royal Army Service Corps, NW Europe 1944 (overall dark green), British Army, North Africa 1940 (Caunter camouflage scheme), British Army, Alexandria, Egypt 1942 (overall sand colour) and Auxiliary Territorial Service, England 1944 (overall dark green). The huge red cross emblem decals are perfectly printed and will provide the ideal finishing touch. Just add DEF Model wheels/tyres! (see New Releases Accessories this issue).

-  Brilliant subject choice, comprehensive detail throughout
-  No upper engine, but not a great loss





AIRFIX, UK BLACKBURN BUCCANEER S.2C/D

www.airfix.com

SCALE: 1:48 • MATERIALS: IM, WS • ITEM NO.A12012

Another much-discussed release from Airfix is the new-tool Blackburn Buccaneer S.2C/D, released within the last few weeks and making quite a splash with modellers, especially those based in the UK. The Buccaneer was a British carrier-based (initially) strike aircraft of the Cold War era, designed in the 1950s to counter Warsaw Pact naval threats at low levels with a hard punch from its weaponry. The version depicted here is the S2, first deployed in 1962 and equipped with a brace of Rolls Royce Spey engines that propelled this wieldy beast to near supersonic speeds. Airfix's model is 100% new, a fact confirmed by the even the most cursory peek at the kit parts, which look fantastic and modern. The kit comes in a sizeable box that's entirely appropriate for this big machine, the parts spread across seven large sprues of grey, injection-moulded polystyrene plus one in clear and a huge decal sheet that provides markings to complete one of four Royal Navy Buccaneers, spanning the late 1960s to late 1970s. All markings-options are finished in 'Extra Dark Sea Grey' and the Humbrol paint codes are provided on the pair of attractive painting guides that are included in the box. Construction begins, as is usually the case, in the cockpit, and here we start with the ejector seats which are impressive pieces of model kit design and encrusted with some really excellent detail. The complex harnesses are supplied in decal form and they actually look pretty good for this medium, but inevitably, there will be aftermarket upgrades for them in the time it takes to read this little review.

-  An unimpeachably perfect subject choice and a mightily impressive new kit
-  The modeller might want to source their own seat harnesses



ED PLASTIC SECTION, F: FABRIC, IM: INJECTION MOULDED (PLASTIC), ITL: INDIVIDUAL TRACK LINKS, LC: LIQUID CEMENT, LCC: LASER CUT CARD, LLT: LINK AND LENGTH TRACKS, MC: METAL CHAIN, MMA: MACHINED METAL PARTS, PS: PAPER STRIP, R: RIB, S: SOFT VINYL TYRES (OR TUBING), VF: VINYL FIGURES, VFP: VACUUM FORMED (PLASTIC), WC: WOVEN CORD, WD: WATERSLIDE (DECALS), WS: WOODEN STRIP



ITALERI, ITALY

LOCKHEED MARTIN F-35B LIGHTNING II STOVL VERSION



www.hobbyco.net

SCALE: 1:48 • MATERIALS: IM, PE, WS • ITEM NO.2810

Five large sprues of dark grey polystyrene comprise Italeri's all-new 1:48 model of the Lockheed Martin F-35B Lightning, plus upper and lower fuselage halves, two sprues in clear, one of which is tinted gold for the canopy, some photo-etched brass seat harnesses and a generous sheet of decals to replicate aircraft of the Royal Air Force (X2), United States Marine Corps (X2) and Italian Navy (X1).

The beefy box opens to reveal some extremely finely detailed mouldings and from a more detailed inspection, it's fair to say Italeri have really upped their game for this one. Everything just looks a lot sharper than we are used to from this manufacturer, the detail approaching the levels achieved by the likes of GWH and MiniBase. Yes, it's really that good. The saw-toothed 'stealth' patterns that cover much of the airframe have been kept within acceptable parameters and if treated with imagination, they will not stand out too much visually, as they have in other manufacturers' kits of the same subject. Italeri have provided us with an extensive interior, providing the rear section of the engine plus its vast intake fan that sits in the spine as well as the rear exhaust in the vertical take-off position, ie: pointing directly downwards. The two weapons bay interiors are supplied, plus the bombs/missiles that fill them, along with bomb carts to display the ordnance 'unloaded' if you prefer. The canopy can be installed in the open or closed position and parts are included for the extended crew ladder for the modeller to choose. A fantastic-looking kit that will look incredible once complete.



-  A genuinely impressive effort from Italeri, with state-of-the-art detailing and a huge amount of detail
-  Not a weekend build!



DRAGON, CHINA

M7 PRIEST EARLY PRODUCTION - SMART KIT

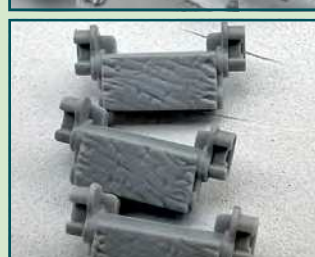
www.hobbyco.net



SCALE: 1:35

MATERIALS: IM, PE, WS, MB

ITEM NO.6817

The M7 Priest was a self-propelled 105mm gun on a M3 Lee hull. Although open-topped, this was a very successful combination, and the M7 served on all fronts and with various allies, from 1943 onwards, with some still in service long after WW2. Dragon released the mid-production version in 2011, and then the early version in 2012, and this newer Smart Kit release has replaced the one-piece DS tracks – which tended to disintegrate – with plastic individual link Magic Tracks. For many modellers, this is a great improvement. The kit itself is extremely well detailed, with sharp and precise moulding. The component parts are good, in the main, but as always there will be areas to improve, such as tool straps and interior fittings. The prominent ammunition bins are very well moulded, but have the storage tubes in many of the spaces, and these will be difficult to paint as a result. The decals offer US and French options, as well as two for British service at El Alamein. The kit does not include the prominent sand shields and other fittings for the British vehicles, and hence there is nowhere to put the markings! The El Alamein vehicles are very attractive, but a number of changes to stowage boxes, radios, and other items will need to be found, and the brush-guards for the lights should be omitted. Overall, this is a super kit, with huge potential for adding detail, but reference photos are vital if you want to be completely accurate. **CLS**



-  Beautiful moulding and fine detail in all parts of the model
-  No sand shields and other fittings as required for a British vehicle

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DRAGON, CHINA



SD.Kfz.171 PANZERBEFEHLSWAGEN PANTHER WITH ZIMMERIT

www.hobbyco.net

SCALE: 1:35 • MATERIALS: IM, PE, R, WS • ITEM NO.6965

There is certainly no shortage of Panther kits on the modelling market, but this release, based on the earlier 2002 vintage Panther Ausf.D, is really noteworthy.

The base model, although two decades old, is still excellent and has been improved successively over the years; this new Sd.Kfz.171 Panzerbefehlswagen Panther release from Dragon takes a further step by offering some distinct features. Firstly, the standard tracks have been replaced with Dragon's superb 'Magic Tracks', which comprise individual links, not on sprues and beautifully moulded into the bargain. The key feature of this particular Panther is the anti-magnetic mine 'Zimmerit' paste coating on the hull and turret, this effect being very finely reproduced within the injection-moulded surfaces. Zimmerit began to be added in September 1943, giving a timeframe for this vehicle. Possibly the Zimmerit texture here is too uniform and not rough enough, but the effect is very impressive all the same. Of course, the model also provides the extra antenna bases for the 'Befehls' (command) version of the Panther and one of these is provided as a 3D printed part. The same 3D print process is employed to provide new sprocket hubs too. The kit further adds photo-etched brass mesh engine deck screens and photo-etched steel schürzen (bazooka plates). As a result, this multimedia kit provides everything the modeller could need for an impressive-looking model right out of the box, with no aftermarket expenditure required. In summary, this is nicely upgraded kit of a command Panther. **CLS**

-  An older but still very valid kit, with useful enhancements
-  Zimmerit patterns might be a little too uniform



ICM, UKRAINE



WW2 ASSAULT ENGINEER-SAPPER

www.icm.com.ua www.hannants.co.uk

SCALE: 1:16 • MATERIALS: IM • ITEM NO. 16013

During WW2, the Soviet engineers found themselves increasingly at risk as they worked in the front line, and in particular the Assault Engineers were very exposed as they created breaches, used flamethrowers, and generally put their lives on the line in urban situations. To reduce their risk, the engineers – the SHISBr – developed body armour of 2mm steel, sufficient to stop shrapnel and pistol bullets. Weighing 3.5kg, the armoured bib was in two parts, protecting the chest and groin. The SN-42 (Stalnoi Nagrudnik 1942) was issued in relatively small numbers, but the striking appearance is captured perfectly in this figure from ICM.

The figure is dressed in the two-piece camouflage outfit issued to scouts and snipers, and the appearance of this smock and trousers is captured perfectly. This camouflage clothing often appeared in 'amoeba' pattern as shown on the box art. The figure has a Degtyaryov DP light machine gun, beautifully moulded with its circular magazine. He also has a pistol and a dagger, and he is certainly 'tooled up' for his next attack. The figure has a full head, meaning it can be made with helmet removed. ICM have helpfully provided a display plinth with four different surfaces to choose from. The only thing missing is a strap for the DP and perhaps it would be a nice touch to have some spare magazines and grenades in the box? A fantastic figure, with lots of opportunities to paint different textures – flesh, cloth, steel and leather. **CLS**

-  A truly eye-catching figure with lots of potential for colours and textures
-  Possibly it would be useful to have a few pieces of 'extra' equipment for display purposes.



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FULL-BUILD: MOVIE SCENE DIORAMA
MRC 1:35 BELL HTL-4 ● KIT NO.BA109

WE'RE GONNA NEED A BIGGER CHOPPER!

Okay, so it's a misquote from the first Jaws film, but check out this spectacular Jaws 2 diorama from **Phil Momo!**





FULL-BUILD: MOVIE SCENE DIORAMA

MRC 1:35 BELL HTL-4 ● KIT NO.BA109

For a long time, I wanted to create a diorama inspired by one of my favourite scenes from Hollywood when I was a kid. That scene was the infamous shark attack against a helicopter in Jaws 2. I couldn't find a model of the Hughes 269B used in the movie so I opted for a Bell HTL-4 (1:35) made by MRC in the '90s. It's a great little model with enough detail and is easy to build. Sadly, the instructions can be a bit confusing and thus you should take your time, as it's easy to make a mistake or skip important steps. The advantage of using the HTL-4 is that we can easily see through the canopy, making the scene more dramatic than a closed cabin.

For the shark, I found a 15cm toy shark from the PNSO company. The mouth of the shark being moveable, it allowed me to get the perfect bite on the float. To do this, I cut parts of the left float to insert the shark's teeth in the holes. Then I cut off the shark's head and glued the mouth. I then filled the gaps in the shark's mouth with filler from Tamiya. I added some Plasticine to consolidate the base of the shark's head.

The shark from the movie looks very much like a mechanical puppet, with little colour variation. I used medium grey mixed with blue grey (Vallejo) and a bit of white (Vallejo) for the back. I used the same colour for the bottom but with a little more white (although this part will barely be visible once the diorama is completed).

The pilot provided in the MRC kit looked too different from the pilot of the movie, so I got my hands on some generic model of an helicopter pilot (Vietnam War, 1:35) on eBay. I proceeded to paint his uniform white with a bit of beige, the vest in orange and the helmet in white. The cabin of the HTL-4 is quite large so the pilot settles in very well, if his head is lowered a little. The end result is perfect, since I wanted the pilot to look at the shark to his left.

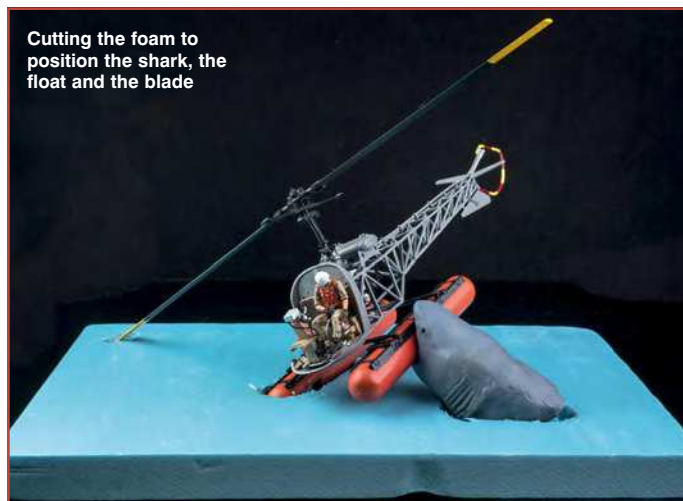
MODELLING THE WATER

For the sea effect, I used foam (around 8x12) dense enough to carve three holes for the shark, the right float and the blade. First, I glued on pieces of crumpled aluminium foil with white glue to create the shape of the waves. I didn't want them too be too high, only a few millimetres in height. Then, I glued a complete sheet of aluminium foil, with white glue. I pressed it so that it would follow the shape of the waves. I also cut the side of the aluminium so that only the top of the foam would be covered by the foil. As it is difficult to paint on aluminium, I coated the whole thing with white glue, followed by Mr Surfacer 500. I used plaster of Paris on the side of the foam, and then I used a white primer.

I diluted dark blue paint (Sea Blue from Tamiya is a good colour for this) with alcohol (at about a 50-50 ratio) to paint the first coat. The bottom of the waves should be dark and the top



Cutting the foam to position the shark, the float and the blade



Adding some aluminium foil to form the waves structure, using PVA glue

Adding a large aluminium foil, glued with PVA glue, then add a PVA glue layer on it to be able to paint over it

Mini Review...

DEF MODEL 1:35 LRDG CHEVROLET TRUCK
SAGGED WHEEL SET 1 (DW30005A), SET 2
(DW30067) FOR TAMIYA
www.defmodel.com

One of Tamiya's most iconic vehicle kits is the Long Range Desert Group (LRDG) Chevrolet, released in its original form way back in 1976 and still a much-loved model to this day. To bring it bang up to date, DEF Model now offer two sets of resin wheels/tyres for it, each comprising six wheels (two spares in each set) plus pre-cut masks to make painting easy. As always, the detail is superb and the weighted flat-spots add extra realism.





Using white primer, then some Tamiya Sea Blue diluted with alcohol, then clear coat, then diluted clear blue with levelling thinner, then two layers of clear coat

Gluing the parts with epoxy. I didn't worry about the gaps, as they would be filled with gel medium and cotton



Cutting into the float for the shark bites



of the waves pale. I added another coat of clear blue with isopropyl alcohol (with an approximate 30-70% ratio) to bring out the waves and to add blue contrast.

Afterwards, I covered everything with Mr Hobby Gloss Clear and levelling thinner (about three layers were applied). The gloss brings out the waves and creates the impression that there is actually water. Also,

the gloss reflects the light very well too, so you can easily see each contrasting effect of colour.

I checked that all the elements would fit before gluing them with epoxy glue, ensuring that everything was a tight fix well and would solidify the hole at the same time. I then filled the gaps with extra heavy medium gel (Liquitex), then surrounded the shark, the

right float and the blade with cotton soaked in extra heavy medium gel. I then proceeded to apply some more extra heavy gel to the floats and on the back of the shark to simulate flowing water.

Around the piece of cotton, I added some Woodland Scenics' Water Waves (CW4516), which has the consistency of petroleum jelly and thus allows you to

sculpt small waves. With some cotton, I created a water effect flowing from the back of the left float using extra heavy medium gel. Once dry, I added the Woodland Water Waves product around the cotton to simulate falling water in a realistic way. This gives a very dynamic aspect to the scene, as if it were captured by a camera. ▶



Sawing off the head of the shark!



Fitting the mouth of the shark on the left float (but not gluing it yet)

FULL-BUILD: MOVIE SCENE DIORAMA
MRC 1:35 BELL HTL-4 ● KIT NO.BA109

The different elements for the scene



I used a Vietnam War-era helicopter pilot which was way better than the pilot in the MRC kit



CRESTED WAVES

To give additional tone to the ocean, I added white acrylic paint diluted with water on top of the waves. I then added clear blue diluted in isopropyl alcohol (about 30% Tamiya clear blue and 70% alcohol) to some areas, then a added bit of clear green (30% Tamiya Clear Green and 70% isopropyl) to other areas to add even more tone to the sea, on the Woodland Waves, as well as the edge of the cotton around the shark, the float and the blade.

Finally, I applied Mr Color clear gloss and Mr Hobby Leveling Thinner to the ocean surface. I also applied the clear solution on the floats, as well as to the back of the shark to accentuate the effect that they are emerging from the water.

To give the impression that the clear part of the cabin looks like glass instead of plastic, I used Pledge Floor Polish. It looks neat and overall great, but it's really

difficult to take a picture of it as it reflects the light much more with the glossy effect. To take a proper photo, you need the camera's flash to bounce from the ceiling and not directly in front of the cabin, otherwise it will create a huge glare on the clear part. Using aluminium foil to create a sea diorama is easy to do and costs much less than using resin. With the clear gloss coat, it also gives vibrant colours and tonality, as well as looking stunning with lighting and especially with the camera's flash. You can see every tone of dark blue, blue, green, and white easily. ●

TECHSPEC...

MRC 1:35 BELL HTL-4 KIT NO.BA109

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

Described in main text

Availability:

Check online



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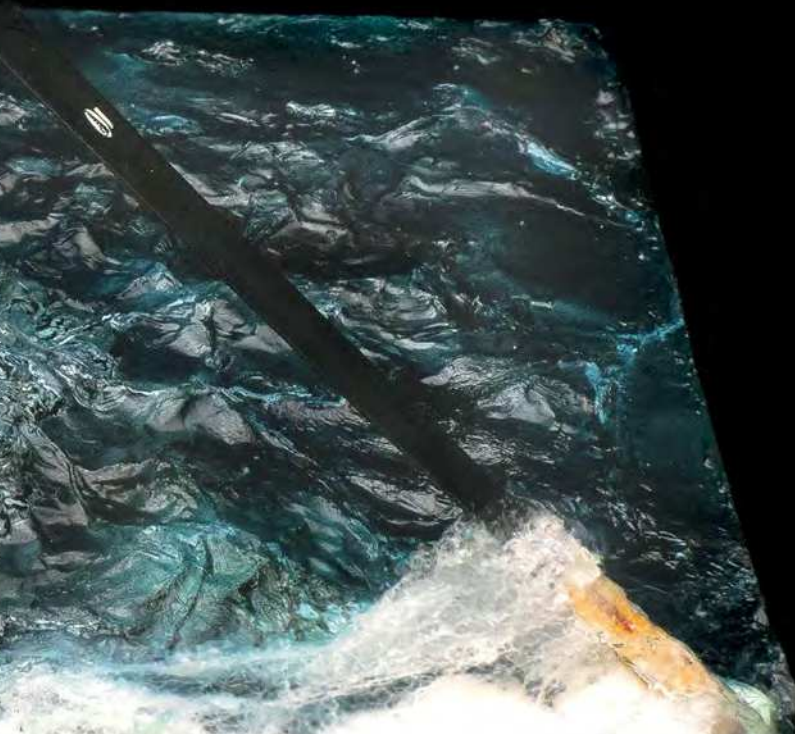
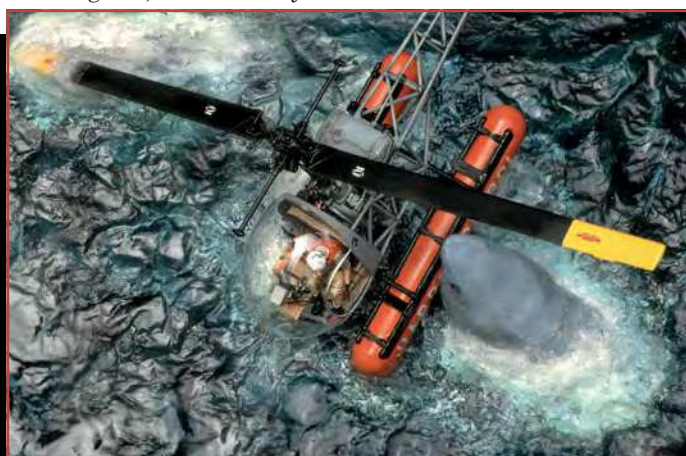
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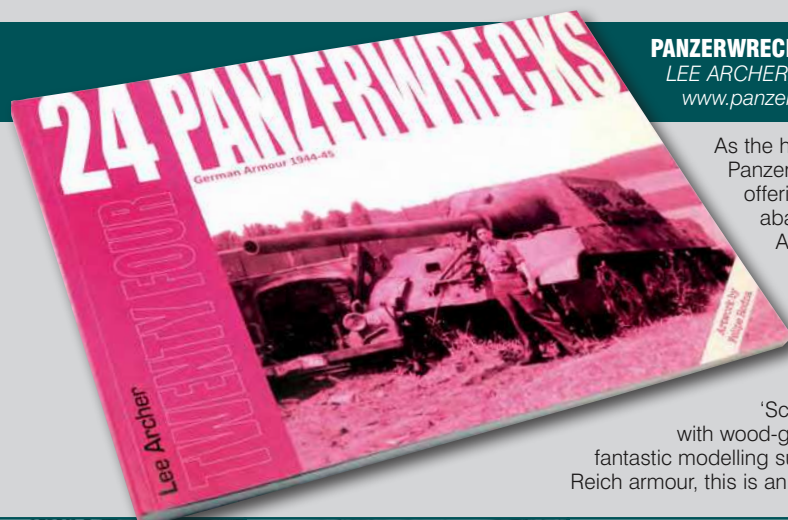
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F/A-18 HORNET & SUPER HORNET IN ACTION (10266)

DAVID DOYLE, SQUADRON SIGNAL
www.doolittlemedia.com

Squadron Signal is back! And one of the newest titles is this 80+ page production on the ubiquitous F/A-18 Hornet. Covering the aircraft in both original and 'super' forms, we begin with the rather sleek YF-18 Cobra, a cracking-looking machine and one that would make a lovely model in any scale. As this prototype evolved into the F/A-18, the book follows the development of the aircraft with superb colour photographs in their familiar pictorial style with masses of inspiration for scale modellers. A plethora of carrier deck imagery will have you clicking online to find the best kits of the Hornet, whether a combat-ready machine or a glamorous blue and yellow Blue Angels aircraft, the latter given a generous helping of page-space. This book is to be treated as an over-view of the Hornet and doesn't offer much in the way of close-up details, but it's a stunning introduction to this all-round workhorse and is a must-have for fans of modern military aviation. **TMMI**



PANZERWRECKS 24, GERMAN ARMOUR 1944-45

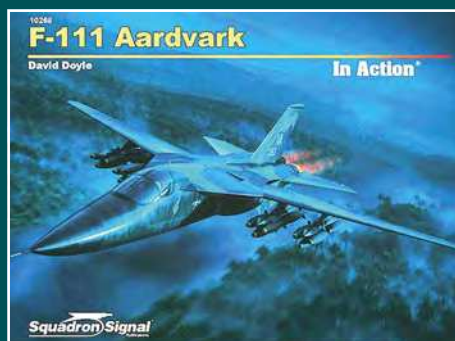
LEE ARCHER, PANZERWRECKS
www.panzerwrecks.com

As the hackneyed phrase goes, the latest book in the wonderful Panzerwrecks series "does what it says on the tin" or in this case, cover, offering the reader 130+ pages of original wartime imagery that reveals abandoned German tanks from the last years of the Second World War. As with the previous twenty-three volumes (is it really that many?), the format is heavily pictorial (thank the heavens!) giving the reader – inevitably a scale modeller – the chance to enjoy the detail in these remarkable photographs in all its glory. We hardly need to list the vehicle types on offer, as they are the usual (welcome) suspects; Pz.IV, Panther, Jagdpanther, StuG.III, StuG.IV, Jagdtiger and more, but there are some delicious oddities too, such as 'Schulefahrzeuge' (training vehicles) based on the Pz.I Ausf A and fitted with wood-gas generators which look distinctly Steam Punk and would make fantastic modelling subjects. As ever, if you are remotely interested in late-period Third Reich armour, this is an absolutely essential addition to your library. **TMMI**



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(No.325), on sale 20th October



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Building Airfix's superb little
De Havilland Vampire F3 in 1:48



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Italeri's magnificent 1:32 TF-104G
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...AND MUCH MORE, OF COURSE!

Due to the many factors that can influence the appearance (or non-appearance) of a model in TMMI, the items shown above are shown on a provisional basis. We endeavour to bring you these articles, but please be patient if they do not feature! Thank you for your understanding.

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TO MY NEWSAGENT...

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The Editor's Page...

Tamiya's new Comet is on the bench!

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COMET ON THE TILES!

Tamiya's all-new 1:35 A34 Comet tank is out of the box...

Yes, the new Comet kit is on my workbench! I will be working flat-out on this model over the next couple of weeks, hopefully having it ready for Issue 325 November 2022. Just a few images for now, but by the time you read this, a lot more of this fantastic kit will be done. See you all in a month! Ed. ●

Availability;

Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net



Tamiya factory photos

TAMIYA MODEL MAGAZINE ISSUE 323 ERROR

Last issue, a significant error sadly crept into our article on the Revell/ICM 1:48 Dornier Do215. Across pages 20-21, the photo captions were all pretty jiggled up and made no sense - my apologies for any confusion or frustration caused. If you would like to receive a digital image of the corrected pages with the captions correctly placed alongside the photos, please email me at my address below and I will send you a high-resolution screenshot. Thanks for your understanding and patience! editor@tamiyamodelmagazine.com

Editor's Choice will return next month



F-35B Lightning II

1:48
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100% NEW
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Model Kit features

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 =  =  Decals for 5 versions

- U.S. version "Beast mode" loadout
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prototype assembled without photoetched parts



photoetched fret



AFV model shown is sold separately.

An Elite Team

Eye-catching, lifelike poses

Tamiya figure sets have long realistically recreated soldiers in battlefield pose and provided depth to the Military Miniature world. This time, Tamiya welcomes a U.S. Infantry Scout Set which renders U.S. infantry who were a part of the Allied invasion that achieved victory in WWII. These figures are captured in typical style seen from late 1944 onward with M1943 field jackets and double buckle boots, and in authentic poses - on a short break from reconnaissance, and in communication with the main corps. Details such as clothing wrinkles, facial expressions and equipment have also been authentically captured by digital technology. How interesting it will be to see a diorama with this infantry set recreating an elite team!



(A wealth of accessories)

★ Comes with various kinds of ordnance and equipment, including the first handy talkie depicted in the Military Miniature series.



1/35 Military Miniature Series U.S. Infantry Scout Set (Item 35379)



Decals depict rank insignia on figures. Actual size ▶

Painting the U.S. Infantry Scout Set

- Tamiya Color Acrylic Mini Paints
- Tamiya Color Enamel Paints

- XF-51 Khaki Drab
- XF-60 Dark Yellow
- XF-62 Olive Drab

U.S. Vehicles and Figures from the 1/35 Military Miniature Series



U.S. Tank Destroyer M18 Hellcat (35376)



U.S. Medium Tank M4A3E8 Sherman "Easy Eight" European Theater (35346)



U.S. M8 Light Armored Car "Greyhound" (35228)

In addition to this Infantry set, Tamiya also has kits recreating U.S. Army vehicles; the M18 Hellcat with powerful 76mm gun, M4A3E8 Sherman "Easy Eight", M8 "Greyhound" and more!



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★ Images show assembled and painted kit. ★ Product may vary from images shown.

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